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Introduction - p.2 **Families** - p.7 **Excluded Taxa** - p.718 **Bibliography** - p.739
References - p.755 **Useful Links** - p.757

GENERA: **A** - p.22 **B** - p.82 **C** - p.106 **D** - p.215 **E** - p.242 **F** - p.278 **G** - p.287 **H** - p.309 **I** - p.335
J - p.344 **K** - p.353 **L** - p.356 **M** - p.399 **N** - p.426 **O** - p.435 **P** - p.446 **Q-R** - p.515 **S** - p.561
T- p.653 **U** - p.676 **V** - p.681 **W** - p.711 **X-Y-Z** - p.714

Figure 1. Key map for counties of the New England states (and Mt. Desert Island, Maine; Block Island, Rhode Island; arbitrary divisions of larger Maine counties and of Coös County, New Hampshire).

INTRODUCTION

This pdf version of the Atlas is intended to capture the information of the online version that used distribution maps generated on-the-fly and that was updated until April 2023. This ensures that the information will not be lost when the web site expires. The origins of this project were the creation by Angelo in the early 1980s of paper charts of the New England counties for the vascular plant species of New England. The charts were used as a sieve or filter for determining which of the large backlog of unmounted specimens filled county gaps in the collection of the New England Botanical Club (NEBC) housed in the Harvard University Herbaria. Since the herbarium of the New England Botanical Club is the largest collection of New England vascular specimens, David Boufford suggested using the charts as a basis for mapping the distributions of the New England vascular flora by including records from the Harvard University Herbaria and other herbaria in New England. With the beginning of publication of the Flora of North America (FNA) we decided to publish the New England distributions in installments based upon the FNA taxonomy and initially aligning the installment with the publication schedule of that project. Our first installment was published in 1996, and the last installment was published in 2014, as detailed in the Bibliography. With the development of an application (Angelo) for displaying a map of county distributions on a web site on-the-fly from a database of records we began in 2001 to make our installments with updated maps available on those pages. Following the publication of the last installment in 2014 in Phytoneuron, which completed the coverage of all New England taxa, the entire web site was reorganized, revised, and periodically updated and corrected.

The number of taxa included in the Atlas are as follows:

4,124 – total (4,102 with distribution maps)
2,456 -- native taxa (59.55 %)
1,668 -- alien taxa (including hybrids with at least one alien parent) (40.45 %)
  515 -- hybrids included in above totals (12.49 %)
1,074 -- genera
  589 -- genera with native taxa
  184 -- families

The New England background maps for the application are adapted from a more detailed custom map provided generously by Ray Sterner, whose map web site is at: http://fermi.jhuapl.edu/states/. The maps are in color and show topography. Lowest elevations are green; higher elevations become progressively more brown with the highest elevations purplish and white. The distributions reflect the state of our distribution data as of June 2023. Not all taxa are mapped. Some obscure, native taxa (mostly *Crataegus*) are known only from their type location or the type location and just one or two other locations. A few taxa have not been segregated from a closely related taxon in most New England herbaria. In those cases a note in the text indicates that the combined taxa are mapped under the name most frequently encountered on the specimens. A spreadsheet on the Internet Archive contains all the distribution data (see Useful Links section at the end of this Atlas). Each record of occurrence is given a letter code for the herbarium where a voucher is located. The explanation of the letter codes is contained in an additional sheet in the spreadsheet tabbed at the bottom. The Excluded Taxa section of this Atlas provides information about taxa that have been reported in the literature to occur in New England but which are not included here.

This Atlas presents the distributions of the vascular flora of New England in the form of dot distribution maps at the county level. New England comprises the six northeastern states of the United States: Maine, New Hampshire, Vermont, Massachusetts, Rhode Island and Connecticut. Those states range in latitude from 41°N to 47°28'N and in longitude from 67°W to 73°45'W. The elevation of the region extends from sea level to 1,898 m (6,228 ft) at the summit of Mt. Washington, New Hampshire, the

highest mountain in the northeastern United States and the most prominent mountain in the United States east of the Mississippi River. The total area of the region is 172,515 km^2 (66,608 miles^2) including bodies of water; the total land area is 163,157 km^2 (62,995 miles^2). The effects of continental glaciers, which covered the entire region several times during the Pleistocene, and the last of which did not retreat until about 15,000 years ago, are still clearly evident throughout the area. The state by state statistics on size and elevation are shown in Table 1 (Merriam-Webster, Inc. 1984).

	Total Area	Land Area	Elevational Range
Maine	86,028 km^2	80,117 km^2	0-1,606 m
New Hampshire	24,097 km^2	23,395 km^2	0-1,898 m
Vermont	24,887 km^2	24,020 km^2	29-1,339 m
Massachusetts	21,386 km^2	20,287 km^2	0-1,064 m
Rhode Island	3,144 km^2	2,725 km^2	0-248 m
Connecticut	12,973 km^2	12,613 km^2	0-725 m

Table 1. Total area, land area, and range in elevation for the six New England states.

The more southerly states of Massachusetts, Rhode Island, and Connecticut are densely populated (the least densely populated of these three states, Connecticut, had an average of 286 persons per km^2 in 2011; Janssen 2013). The northern states of Maine, New Hampshire, and Vermont are mostly rural (the most densely populated of these three states, New Hampshire, had an average of 57 persons per km^2 in 2011; Janssen 2013).

This work encompasses all vascular plants (pteridophytes and spermatophytes) at the rank of species, subspecies, and variety growing as established, reproducing populations in wild habitats in the New England states. Our data are based solely on herbarium specimens in non-private collections of universities, botanical gardens, arboreta and other publicly accessible collections of nonprofit organizations. We have excluded specimens from our records that are spontaneous in gardens, in lawns, in yards, under birdfeeders, on the grounds of arboreta, nurseries, greenhouses, school campuses, in seeded fields, persistent at old house sites or other plantings, etc. We have also excluded waifs and records for alien plants where the habitat or degree of spreading for woody plants is not specified on the herbarium specimen. Also, specimens of alien species where no habitat is provided have been omitted. Other checklists and floras commonly include such records. See the Excluded Taxa section. Hybrids have been included, but forms and other ranks below the level of variety are not. Our distribution data are based on voucher specimens primarily in the herbaria of New England.

It is our hope that this work will stimulate additional field work to supplement the distributions portrayed in the maps. The herbarium of the New England Botanical Club (NEBC) has proven to be the most important resource for this project and is especially interested in receiving specimens documenting range extensions.

MATERIALS AND METHODS

Most of our records are from specimens in the New England Botanical Club herbarium (NEBC) and New England specimens of the Harvard University Herbaria (A, AMES, ECON, GH) supplemented by records from other herbaria in the region that we visited and/or that images of specimens on a web site.

For the herbarium of the University of Maine (MAINE) in Orono we relied on the notebooks of Harry E. Ahles at MASS combined with an online database for MAINE and communication with individuals in Orono who checked information on specimens for us. The Consortium of Northeastern Herbaria (CNH) (see Useful Links) has become particularly useful in providing images of specimens in New England herbaria with new records added periodically. This Atlas represents the existence or absence of a herbarium voucher specimen at any time in the past within a given New England county. Multiple records for a given county were not recorded. Details about the voucher other than county locality and herbarium were not recorded. Priority was given to specimens in the NEBC herbarium, then to specimens in the Harvard University Herbaria, then to specimens of the state university herbaria (MAINE, NHA, VT, MASS and CONN). As noted previously, our records are contained in a spreadsheet on the Internet Archive (see Useful Links section at the end of this Atlas).

The data represented by specimens in New England herbaria best depict vascular plant distributions when displayed at the county level. Attempting to display such data by the exact geographical coordinates of each collection locality, or even at the township level, distorts the actual distributions. By such detailed mapping, patterns tend to reflect concentrated collecting along major highways and clustering near university cities and towns, popular resort areas and botanical hot spots. This was strikingly evident in some detailed distribution maps produced more than 40 years ago by a plant distribution committee of the New England Botanical Club. The distortions portrayed by such detailed mapping are resolved (smoothed out) by plotting data only at the county level.

The counties of New England range in size from Bristol County, Rhode Island (65 km^2, or 25 $mi.^2$), to Aroostook County, Maine (17,666 km^2, or 6,821 $mi.^2$ - land only). The great majority of counties, however, are between 1,300 km^2 (500 $mi.^2$) and 3900 km^2 (1,500 $mi.^2$). To reduce the size disparity at the large end and to depict distributions more evenly, the largest Maine counties for this Atlas were subdivided. Penobscot, Piscataquis, Somerset, and Oxford counties have been divided arbitrarily into roughly equal-sized, north and south sectors along township boundaries. Aroostook County, the largest county, is divided into three sectors. Coös County, New Hampshire, is divided into north and south sectors. The division of Coös County isolates the White Mountains, which harbor an alpine flora associated mostly with New England's highest peak, Mount Washington. Figure 1 on page 1 above shows the location of states and counties of New England and the subdivisions of the largest counties. In the Useful Links section of this Atlas we have included our County Location of New England Place Names (with a full page map) which is on the Internet Archive. It provides the county location (including our county sectors for the larger counties) for all cities, towns and villages in New England.

In recording the collection data no attempt was made to verify the accuracy of the identification of every specimen, but obvious misidentifications were annotated with corrections. Even though the basis for a particular county record might be a misidentified specimen, for plants common within New England, our view is that the taxon most likely occurs within the county. Specimens documenting disjunct or marginal occurrences of native taxa (or otherwise rare, endangered or threatened taxa) usually have received greater scrutiny in herbaria, because of a heightened interest in rare plants nationwide, and are less likely to be misidentified.

TAXONOMY, ORGANIZATION AND FORMAT

The taxonomy and nomenclature adopted for this work essentially follow the Flora of North America (Flora of North America Editorial Committee 1993 -). The primary exceptions are that for plant families and genera we follow the Angiosperm Phylogeny Website, for pteridophytes we follow the families and genera of Smith et al. (2006), and for Poaceae taxonomy we followed with few exceptions the Catalog of New World Grasses (see our Useful Links section). In some cases we followed the taxonomy in studies published after the corresponding treatment appeared in the Flora of North America. We have limited this to studies that gained wide acceptance, or that we believed would gain wide acceptance.

The authorship of the scientific names in this atlas has been reviewed using multiple sources, and in cases of discrepancies or ambiguities nomenclatural specialist Dr. K.N. Gandhi kindly provided advice.

The heart of this Atlas is the listing of the vascular plant taxa that have been verified with herbarium specimens as established growing in the wild within New England. The list is organized alphabetically by genus, and alphabetically by species within each genus. Almost all taxa treated here include a distribution map and scientific name. Most taxa (other than hybrids) include chromosome numbers and habitat. Many taxa (other than hybrids) include common names and scientific synonyms.

A section of family names listed alphabetically has been included in the Atlas that lists the genera alphabetically within each family and the page numbers for each of those genera in the primary listing. Users will most likely find it easiest to locate a taxon by searching the Atlas by its scientific name or searching for the genus name.

Named and unnamed hybrid taxa are placed at the end of the genus in alphabetical order. Unnamed hybrids are listed alphabetically by species epithet based on the names of the parents.

Species deemed to be introduced, that is, not native in New England at the time of European contact with North America, are indicated by all upper case type for the scientific name. No single source of information was used in determining introduced species, but the opinion of the esteemed New England botanist, Merritt L. Fernald, was given great weight. For most taxa there is little dispute as to nativity. Where differences of opinion exist in the literature, we have used our own judgment based on the evidence available.

A colloquial name is supplied when it appears to be a name in general use and not merely a translation of the scientific name. Colloquial names used in New England have been given preference.

Cited chromosome numbers are taken primarily from the online Chromosome Counts Database (see Useful Links section). Very few of the counts are based on material from New England, but instead reflect counts made from throughout the range of the taxon. When a particular chromosome number has been reported significantly less frequently than others for a given taxon, it is enclosed within parentheses..

The habitat data are distillations from a variety of sources augmented in some cases by our own field observations. An attempt was made to indicate habitat information as it applies to a particular taxon in New England rather than to the entire range of the taxon. In cases where a given taxon is represented in New England with one or just a few voucher specimens, the habitat given is limited to that recorded with the specimen rather than the range of habitats over its geographical distribution as given in manuals and other sources.

Synonymy is provided primarily with respect to names in the standard manuals used for New England, Fernald (1950), Gleason and Cronquist (1991), and Seymour (1982), since the majority of specimens in New England herbaria were identified using the names in those manuals or were later annotated using the names in those manuals.

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some new voucher specimens there and for checking voucher information. Leslie J. Mehrhoff was very generous in sharing data on specimens that he collected that are in the herbaria at the University of Connecticut and Yale University, and in reviewing our Connecticut data, providing many additional records. James Hinds assisted by checking extensively voucher specimens at the University of Maine herbarium. David Barrington, David S. Conant, and James Hickey made many helpful comments on our pteridophyte manuscript, and Warren H. "Herb" Wagner. Jr. was particularly helpful and encouraging. We thank Bruce A. Sorrie for collecting data from the Harvard University herbaria in the early stages of this project. We also appreciate the check for voucher specimens by Robert Capers, Janet Sullivan, John Kartesz, Steve Rawson, Cathy Paris, Tom Vining, Chris Campbell, James Solomon, Donald Les, Jennifer Doubt, Walter Kittredge, Anthony Brach, Emily Wood, Lisa I. Palmer, Craig Layne, Elizabeth Allen, Gisèle Mitrow, Jennifer Doubt, Alina Freire-Fierro, James Morefield, Lauren Sopher, Patrick Sweeney, Ian Medeiros, Misha Cetner, Karoline Oldham, John C. McPeek, Tim Whitfield, Nicole Tarnowsky, Bethany Brown, Ken Yamazaki and Christine Niezgoda. Michael Sundue facilitated the checking of specimens at his institution. Mary Barkworth graciously reviewed our Poaceae and very generously provided updates for the nomenclature and taxonomy of several groups to bring them into agreement with the Manual of Grasses for the Continental United States and Canada. Barre Hellquist gave especially generously of his time and knowledge to provide much information on the aquatic groups. Anthony Reznicek provided many valuable corrections, additional records and comments, checked voucher specimens, and reviewed some specimens whose identifications were in question. Gordon Tucker provided information on many vouchered records, primarily at Eastern Illinois University (EIU) and his expertise in Cyperaceae. George Argus and Robert Bertin kindly provided information about *Salix* vouchers. Ihsan A. Al-Shehbaz generously provided much assistance with questions relating to Brassicaceae and checked for vouchers in other families. Janet Sullivan kindly shared portions of her Flora of North America draft treatment of *Physalis* and checked voucher specimens in other groups. Art Gilman provided information about *Leucophysalis.* The following botanists were consulted in their areas of expertise: Guy Nesom, Alan Weakley, Charles Sheviak, Magnus Lidén, Dwayne Estes, John Nelson, Warren Wagner, Karol Marhold, Craig Greene, Richard Abbott, and Carlos Aedo. Heidi Schmidt, Arthur Tucker and James Zarucchi provided us with information regarding Flora of North America treatments. Erika Sonder assisted with reviewing specimens at the Harvard University Herbaria. Andrew Mckenna-Foster of the Maria Mitchell Association kindly provided the latest database file of that organization’s herbarium records. Michael Sundue and Eunice Froeliger provided timely assistance in locating certain specimens deposited at the Pringle Herbarium of the University of Vermont. We thank Arthur Haines for review comments on two of our installment publications of this project, for research into voucher specimens, and for providing many updates after the print publication of this atlas. John Kartesz and Misako Nishino generously provided the latest draft of the Floristic Synthesis of North America, which was consulted for reports of occurrence and sources of such reports. Kancheepuram Gandhi provided valuable assistance in settling nomenclatural issues. If we have overlooked anyone, we offer our sincere thanks and apologies.

FAMILIES

A – p.7 **B** – p.9 **C** – p.10 **D** – p.12 **E** – p.12 **F** – p.13 **G** – p.13 **H** – p.14 **I** – p.14 **J** – p.14 **L** – p.14
M – p.15 **N** – p.16 **O** - p.16 **P** – p.17 **R** – p.19 **S** – p.20 **T** – p.21 **U** – p.21 **V** – p.21 **W-X-Z** – p.21

ACANTHACEAE (Acanthus Family)
Justicia – p.352

ACORACEAE (Sweet Flag Family)
Acorus – p.27

ACTINIDIACEAE (Chinese Gooseberry Family)
Actinidia – p.28

ADOXACEAE (Elderberry Family)
Sambucus – p.578
Viburnum – p.693

AIZOACEAE (Ice Plant Family)
Sesuvium – p.597
Tetragonia – p.656

ALISMATACEAE (Water Plantain Family)
Alisma – p.37
Echinodorus (see Helanthium)
Helanthium – p.310
Lophotocarpus (see Sagittaria)
Sagittaria – p.563

ALTINGIACEAE (Sweetgum Family)
Liquidambar – p.380

AMARANTHACEAE (Amaranth Family)
Acnida (see Amaranthus)
Alternanthera – p.41
Amaranthus – p.41
Atriplex – p.78
Axyris – p.81
Bassia (see also Kochia) – p.84
Beta – p.85
Blitum – p.93
Celosia – p.163
Chenopodiastrum – p.171
Chenopodium (see also Blitum, Chenopodiastrum, Dysphania, Lipandra and Oxybasis) – p.171
Cycloloma – p.206
Dysphania – p.240
Froelichia – p.285
Gomphrena – p.304
Kochia – p.354
Lipandra – p.379
Monolepis – p.417
Oxybasis – p.444
Roubieva (see Dysphania)
Salicornia (see also Sarcocornia) – p.564
Salsola – p.575
Sarcocornia – p.581
Spinacia – p.627
Suaeda – p.638

AMARYLLIDACEAE (Amaryllis Family)
Allium – p.38
Galanthus – p.287
Leucojum – p.372
Narcissus – p.428

ANACARDIACEAE (Sumac Family)
Cotinus – p.192
Rhus (see also Toxicodendron) – p.529
Toxicodendron – p.662

ANNONACEAE (Custard-apple Family)
Asimina – p.74

APIACEAE (Parsley Family)
Aegopodium – p.28
Aethusa – p.29
Anethum – p.55
Angelica – p.55
Anthriscus – p.58
Apium – p.59
Bifora – p.91
Bupleurum – p.104
Carum – p.159
Cicuta – p.176
Coelopleurum (see Angelica)
Conioselinum – p.184
Conium – p.184
Coriandrum – p.188
Cryptotaenia – p.203
Daucus – p.217
Eryngium – p.265
Falcaria – p.278
Foeniculum – p.282
Heracleum – p.316
Levisticum – p.373
Ligusticum – p.374
Lilaeopsis – p.375
Myrrhis – p.425
Osmorhiza – p.441

Pastinaca – p.452
Petroselinum – p.461
Peucedanum – p.461
Pimpinella – p.471
Ptilimnium – p.510
Sanicula – p.579
Scandix – p.583
Selinum – p. 595
Sium – p.606
Taenidia – p.653
Thaspium – p.658
Torilis – p.661
Zizia – p.716

APOCYNACEAE (Dogbane Family)
Amsonia – p.51
Apocynum – p.60
Asclepias – p.71
Cynanchum (see Vincetoxicum)
Periploca – p.456
Vinca – p.698
Vincetoxicum – p.699

AQUIFOLIACEAE (Holly Family)
Ilex – p.335
Nemopanthus (see Ilex)

ARACEAE (Arum Family)
Arisaema – p.64
Calla – p.108
Lemna – p.364
Orontium – p.441
Peltandra – p.454
Pistia – p.474
Spirodela – p.631
Symplocarpus – p.651
Wolffia – p.711
Wolffiella – p.712

ARALIACEAE (Ginseng Family)
Acanthopanax (see Eleutherococcus)
Aralia – p.61
Eleutherococcus – p.250
Hedera – p.310
Hydrocotyle – p.329
Kalopanax – p.353
Panax – p.447

ARECACEAE (Palm Family)
Phoenix – p.467

ARISTOLOCHIACEAE (Birthwort Family)
Aristolochia – p.66
Asarum – p.71
Endodeca (see Aristolochia)

ASPARAGACEAE (Asparagus Family)
Asparagus – p.74
Convallaria – p.185
Hosta – p.324
Maianthemum – p.400
Muscari – p.421
Ornithogalum – p.440
Polygonatum – p.485
Scilla – p.587
Smilacina (see Maianthemum)
Yucca – p.715

ASPLENIACEAE (Spleenwort Family)
Asplenium – p.74
Camptosorus (see Asplenium)

ASTERACEAE (Aster Family)
Acanthospermum – p.23
Achillea – p.25
Actinomeris (see Verbesina)
Ageratina – p.31
Ageratum – p.31
Ambrosia – p.44
Anaphalis – p.51
Antennaria – p.56
Anthemis (see also Chamaemelum and Cota) – p.57
Arctium – p.62
Arctotis – p.63
Arnica – p.67
Arnoseris – p.67
Artemisia – p.69
Aster (see also Doellingeria, Eurybia, Ionactis, Oclemena, Sericocarpus, Solidago and Symphyotrichum) – p.76
Baccharis – p.82
Baeria (see Lasthenia)
Bellis – p.84
Bidens – p.88
Boltonia – p.94
Cacalia (see Senecio)
Calendula – p.107
Callistephus – p.108
Calotis – p.109
Carduus – p.118
Carthamus – p.159
Centaurea – p.163
Chaenactis – p.168
Chamaemelum – p.170
Chrysanthemum (see Glebionis, Leucanthemella, Leucanthemum, Nipponanthemum and Tanacetum)
Chrysopsis (see also Pityopsis) – p.175
Cichorium – p.175
Cirsium – p.177
Cnicus (see Centaurea)
Conyza (see Erigeron)
Coreopsis – p.186
Cosmos – p.191
Cota – p.192
Cotula – p.192

Crepis – p.199
Crupina – p.202
Cyclachaena – p.206
Deinandra – p.217
Dittrichia – p.233
Doellingeria – p.233
Doronicum – p.233
Dyssodia (see also Thymophylla) – p.241
Echinacea – p.242
Echinops – p.243
Eclipta – p.244
Erechtites – p.260
Erigeron – p.260
Eupatorium (see also Ageratina and Eutrochium) - p.269
Eurybia – p.275
Euthamia – p.276
Eutrochium – p.276
Filago – p.281
Flaveria – p.282
Gaillardia – p.287
Galinsoga – p.288
Gamochaeta – p.292
Glebionis – p.301
Gnaphalium (see also Gamochaeta, Omalotheca and Pseudognaphalium) – p.304
Grindelia – p.306
Guizotia – p.306
Haplopappus (see Xanthisma)
Hasteola (see Senecio)
Helenium – p.311
Helianthus – p.311
Helichrysum (see Xerochrysum)
Heliomeris – p.314
Heliopsis – p.315
Helminthotheca – p.316
Hemizonia (see Deinandra)
Heterosperma – p.318
Heterotheca – p.318
Hieracium – p.319
Hymenoxys – p.331
Hypochaeris – p.334
Inula (see also Dittrichia) – p.337
Ionactis – p.337
Iva (see also Cyclachaena) – p.343
Jacobaea – p. 344
Krigia – p.355
Lactuca (see also Mycelis) – p.356
Lapsana – p.359
Lasthenia – p.359
Layia – p.361
Leontodon (see also Scorzoneroides) – p.365
Leucanthemella – p.372
Leucanthemum – p.372
Liatris – p.373
Madia – p.399
Matricaria (see also Tripleurospermum) – p.405
Megalodonta (see Bidens)
Microseris – p.412
Mikania – p.412
Mulgedium (see Lactuca)
Mycelis – p.421
Nabalus – p.426
Nipponanthemum – p.432
Oclemena – p.435
Oligoneuron (see Solidago)
Omalotheca – p.439
Onopordum – p.439
Packera – p.446
Palafoxia – p.447
Parthenium – p.451
Petasites – p.460
Picris (see also Helminthotheca) – p.471
Pityopsis – p.474
Pluchea – p.480
Polymnia – p.488
Prenanthes (see Nabalus)
Pseudognaphalium – p.509
Ratibida – p.524
Santolina – p.580
Sclerolepis – p.591
Scorzoneroides – p.591
Senecio (see also Jacobaea and Packera) – p.596
Sericocarpus – p.597
Sigesbeckia – p.600
Silphium – p.604
Silybum – p.604
Solidago (see also Euthamia) – p.610
Sonchus – p.620
Symphyotrichum – p.639
Tagetes – p.653
Tanacetum – p.654
Taraxacum – p.654
Thymophylla – p.659
Tragopogon – p.663
Tripleurospermum – p.672
Tussilago – p.674
Verbesina – p.689
Vernonia – p.689
Xanthisma – p.714
Xanthium – p.714
Xeranthemum (see Xerochrysum)
Xerochrysum – p.714
Ximenesia (see Verbesina)

ATHYRIACEAE (Spleenwort Family)
Athyrium (see also Deparia and Homalosorus) – p.77
Zinnia – p.716

BALSAMINACEAE (Balsam Family)
Impatiens – p.336

BERBERIDACEAE (Barberry Family)
Berberis – p.84

Caulophyllum – p.162
Podophyllum – p.482

BETULACEAE (Birch Family)
Alnus – p.39
Betula – p.85
Carpinus – p.159
Corylus – p.190
Ostrya – p.443

BIGNONIACEAE (Bignonia Family)
Campsis – p.114
Catalpa – p.161

BLECHNACEAE (Chain Fern Family)
Woodwardia – p.713

BORAGINACEAE (Borage Family)
Amsinckia – p.50
Anchusa (see also Cynoglottis) – p.51
Andersonglossum – p.52
Asperugo – p.74
Borago – p.95
Buglossoides – p.104
Cryptantha – p.202
Cynoglossum (see also Andersonglossum) – p.207
Cynoglottis – p.208
Echium – p.243
Hackelia – p.309
Lappula – p.359
Lithospermum (see also Buglossoides) – p.381
Lycopsis (see Anchusa)
Mertensia – p.411
Myosotis – p.421
Nonea – p.432
Onosmodium (see Lithospermum)
Pentaglottis – p.455
Plagiobothrys – p.474
Pulmonaria – p.512
Symphytum – p.651

BRASSICACEAE (Mustard Family)
Alliaria – p.37
Alyssum (see also Aurinia) – p.41
Arabidopsis – p.60
Arabis (see also Arabidopsis, Boechera, Borodinia and Turritis) – p.61
Armoracia (see also Rorippa) – p.67
Aurinia – p.80
Barbarea – p.82
Berteroa – p.85
Boechera (see also Borodinia) – p.92
Borodinia – p.95
Brassica (see also Sinapis) – p.99
Braya – p.99
Bunias – p.104
Cakile – p.106
Camelina – p.111
Capsella – p.114
Cardamine – p.115
Cardaria (see Lepidium)
Chorispora – p.174
Conringia – p.184
Coronopus (see Lepidium)
Dentaria (see Cardamine)
Descurainia – p.218
Diplotaxis – p.232
Draba – p.233
Euclidium – p.268
Eruca – p.265
Erucastrum – p.265
Erysimum – p.266
Hesperis – p.317
Iberis – p.335
Isatis – p.340
Lepidium – p.365
Lobularia – p.382
Lunaria – p.388
Nasturtium p.428
Neobeckia (see Rorippa)
Neotorularia (see Braya)
Neslia – p.430
Raphanus – p.523
Rorippa (see also Nasturtium) – p.535
Sinapis – p.604
Sisymbrium – p.604
Subularia – p.638
Teesdalia – p.656
Thlaspi (see also Microthlaspi) – p.659
Tropidocarpum – p.674
Turritis – p.674

BUTOMACEAE (Flowering Rush Family)
Butomus – p.105

BUXACEAE (Boxwood Family)
Pachysandra – p.446

CABOMBACEAE (Water-shield Family)
Brasenia – p.98
Cabomba – p.106

CACTACEAE (Cactus Family)
Opuntia – p.440

CALYCANTHACEAE (Strawberry Shrub Family)
Calycanthus – p.109

CAMPANULACEAE (Bellflower Family)
Campanula – p.112
Jasione – p.344
Lobelia – p.381
Specularia (see Triodanis)
Triodanis – p.671

CANNABACEAE (Hemp Family)
Cannabis – p.114
Celtis – p.163
Humulus – p.326

CAPRIFOLIACEAE (Honeysuckle Family)
Cephalaria – p.166
Diervilla – p.227
Dipsacus – p.232
Knautia – p.354
Linnaea – p.378
Lonicera – p.384
Scabiosa – p.583
Succisa (see Succisella)
Succisella – p.639
Symphoricarpos – p.639
Triosteum – p.671
Valeriana – p.684
Valerianella – p.685
Weigela – p.711

CARYOPHYLLACEAE (Pink Family)
Agrostemma – p.33
Arenaria (see also Honckenya, Minuartia and Moehringia) – p.64
Atocion (see Silene)
Cerastium – p.166
Dianthus – p.221
Gypsophila – p.307
Herniaria – p.317
Holosteum – p.323
Honckenya – p.323
Lychnis (see Silene)
Minuartia – p.413
Moehringia – p.415
Myosoton – p.422
Paronychia – p.450
Petrorhagia – p.460
Polycarpon – p.484
Sagina – p.462
Saponaria (see also Vaccaria) – p.580
Scleranthus – p.590
Silene (see also Saponaria) – p.600
Spergula – p.626
Spergularia – p.626
Stellaria (see also Myosoton) – p.634
Tunica (see Petrorhagia)
Vaccaria – p.681
Viscaria (see Silene)

CELASTRACEAE (Bittersweet Family)
Celastrus – p.162
Euonymus – p.268
Parnassia – p.450

CERATOPHYLLACEAE (Hornwort Family)
Ceratophyllum – p.167

CERCIDIPHYLLACEAE (Katsura-tree Family)
Cercidiphyllum – p.168

CISTACEAE (Rock-rose Family)
Crocanthemum – p.200
Helianthemum (see Crocanthemum)
Hudsonia – p.325
Lechea – p.362

CLEOMACEAE (Spider Flower Family)
Cleome (see Peritoma and Tarenaya)
Peritoma – p.456
Polanisia – p.483
Tarenaya – p.655

CLETHRACEAE (White Alder Family)
Clethra – p.181

COLCHICACEAE (Autumn Crocus Family)
Colchicum – p.182
Uvularia – p.680

COMMELINACEAE (Spiderwort Family)
Commelina – p.183
Tradescantia – p.662

CONVOLVULACEAE (Morning-glory Family)
Calystegia – p.110
Convolvulus (see also Calystegia) – p.185
Cuscuta – p.204
Ipomoea – p.337

CORNACEAE (Dogwood Family)
Cornus – p.188

CRASSULACEAE (Stonecrop Family)
Crassula (see Tillaea)

Erythrostictum (see Hylotelephium)
Hylotelephium – p.330
Phedimus – p.463
Rhodiola – p.527
Sedum (see also Hylotelephium, Phedimus and Rhodiola) – p.593
Sempervivum – p.595
Tillaea – p.661

CUCURBITACEAE (Gourd Family)
Citrullus – p.178
Cucumis – p.203
Cucurbita – p.204
Echinocystis – p.243
Momordica – p.416
Sicyos – p.599
Thladiantha – p.659

CUPRESSACEAE (Cypress Family)
Chamaecyparis – p.169
Juniperus – p.351
Thuja – p.659

CYPERACEAE (Sedge Family)
Bolboschoenus – p.93
Bulbostylis – p.104
Carex – p.118
Cladium – p.179
Cyperus (see also Kyllinga) – p.208
Dulichium – p.240
Eleocharis – p.245
Eriophorum (see also Trichophorum) – p.245
Fimbristylis – p.282
Fuirena – p.285
Hemicarpha (see Lipocarpha)
Kyllinga (see Cyperus)
Lipocarpha – p.380
Psilocarya (see Rhynchospora)
Rhynchospora – p.530
Schoenoplectiella – p.584
Schoenoplectus (see also Schoenoplectiella) – p.585
Scirpus (see also Bolboschoenus, Schoenoplectiella, Schoenoplectus and Trichophorum) – p.587
Scleria – p.590
Trichophorum – p.665

DENNSTAEDTIACEAE (Bracken Fern Family)
Dennstaedtia – p.218
Pteridium – p.510

DIAPENSIACEAE (Diapensia Family)
Diapensia – p.222
Galax – p.287

DIOSCOREACEAE (Yam Family)
Dioscorea – p.229

DROSERACEAE (Sundew Family)
Drosera – p.235

DRYOPTERIDACEAE (Wood Fern Family)
Deparia – p.218
Diplazium (see Deparia and Homalosorus)
Dryopteris (see also Gymnocarpium, Phegopteris and Thelypteris) – p.236
Polystichum – p.489

EBENACEAE (Ebony Family)
Diospyros – p.229

ELAEAGNACEAE (Oleaster Family)
Elaeagnus – p.244
Shepherdia – p.599

ELATINACEAE (Waterwort Family)
Elatine – p.245

EQUISETACEAE (Horsetail Family)
Equisetum – p.256

ERICACEAE (Heath Family)
Andromeda – p.52
Arctostaphylos (see also Arctous) – p.63
Arctous – p.63
Calluna – p.109
Cassandra (see Chamaedaphne)
Cassiope (see Harrimanella)
Chamaedaphne – p.169
Chimaphila – p.173
Chiogenes (see Gaultheria)
Corema – p.186
Empetrum – p.253
Epigaea – p.254
Erica – p.260
Eubotrys – p.267
Gaultheria – p.293
Gaylussacia – p.294
Harrimanella – p.310
Hypopitys (see Monotropa)
Kalmia – p.353
Ledum (see Rhododendron)
Leucothoë (see also Eubotrys) – p.373
Loiseleuria (see Kalmia)

Lyonia – p.395
Moneses – p.417
Monotropa – p.417
Orthilia – p.441
Oxycoccus (see Vaccinium)
Oxydendron – p.445
Phyllodoce – p.468
Pieris – p.471
Pterospora – p.510
Pyrola (see also Orthilia) – p.513
Rhododendron – p.527
Vaccinium – p.681
Xolisma (see Lyonia)

ERIOCAULACEAE (Pipewort Family)
Eriocaulon – p.262

EUPHORBIACEAE (Spurge Family)
Acalypha – p.22
Croton – p.201
Crotonopsis (see Croton)
Euphorbia – p.271
Mercurialis – p.410
Ricinus – p.534

FABACEAE (Pea Family)
Acmispon – p.26
Albizia – p.36
Amorpha – p.49
Amphicarpaea – p.50
Anthyllis – p.58
Apios – p.59
Arachis – p.61
Astragalus – p.76
Baptisia – p.82
Caragana – p.115
Cassia (see Chamaecrista and Senna)
Cercis – p.168
Chamaecrista – p.169
Cicer – p.175
Cladrastis – p.179
Colutea – p.183
Coronilla (see also Securigera) – p.190
Crotalaria – p.201
Cytisus – p.214
Dalea – p.215
Desmodium (see also Hylodesmum) – p.219
Galega – p.287
Genista – p.294
Gleditsia – p.302
Glycine – p.304
Glycyrrhiza – p.304
Gymnocladus – p.307
Hedysarum – p.310
Hosackia (see Acmispon)
Hylodesmum – p.330
Kummerowia – p.355
Laburnum – p.356
Lathyrus – p.360
Lens – p.364
Lespedeza (see also Kummerowia) – p.367
Lotus (see also Acmispon) – p.387
Lupinus – p.388
Medicago – p.405
Melilotus – p.407
Ornithopus – p.440
Oxytropis – p.445
Phaseolus – p.462
Pisum – p.474
Pueraria – p.511
Robinia – p.534
Scorpiurus – p.591
Securigera – p.593
Senna – p.596
Sesbania – p.597
Strophostyles – p.637
Tephrosia – p.656
Thermopsis – p.658
Trifolium – p.666
Trigonella (see also Medicago) – p.670
Ulex – p.676
Vicia – p.696
Wisteria – p.711

FAGACEAE (Beech Family)
Castanea – p.160
Fagus – p.278
Quercus – p.515

FRANKENIACEAE (Frankenia Family)
Frankenia – p.284

GENTIANACEAE (Gentian Family)
Bartonia – p.83
Centaurium (see also Schenkia) – p.165
Frasera – p.284
Gentiana (see also Gentianella and Gentianopsis) – p.294
Gentianella – p.295
Gentianopsis – p.296
Halenia – p.309
Lomatogonium – p.384
Sabatia – p.561
Schenkia – p.583

GERANIACEAE (Geranium Family)
Erodium – p.264
Geranium – p.296

GROSSULARIACEAE (Gooseberry Family)
Ribes – p.532

HAEMODORACEAE (Bloodwort Family)
Lachnanthes – p.356

HALORAGACEAE (Water Milfoil Family)
Myriophyllum – p.423
Proserpinaca – p.505

HAMAMELIDACEAE (Witch-hazel Family)
Hamamelis – p.309

HELIOTROPIACEAE (Heliotrope Family)
Heliotropium – p.315

HYDRANGEACEAE (Hydrangea Family)
Deutzia – p.220
Hydrangea – p.327
Philadelphus – p.464

HYDROCHARITACEAE (Frog's-bit Family)
Anacharis (see Egeria and Elodea)
Egeria – p.244
Elodea (see also Egeria) – p.252
Hydrilla – p.328
Hydrocharis – p.328
Limnobium – p.376
Najas – p.427
Vallisneria – p.685

HYDROPHYLLACEAE (Waterleaf Family)
Ellisia – p.250
Hydrophyllum – p.329
Phacelia – p.461

HYMENOPHYLLACEAE (Filmy Fern Family)
Crepidomanes – p.199
Trichomanes (see Crepidomanes)

HYPERICACEAE (St. John's-wort Family)
Ascyrum (see Hypericum)
Hypericum (see also Triadenum) – p.331
Triadenum – p.664

HYPOXIDACEAE (Stargrass Family)
Hypoxis – p.334

IRIDACEAE (Iris Family)
Belamcanda (see Iris)
Crocus – p.201
Iris – p.339
Sisyrinchium – p.605

ISOËTACEAE (Quillwort Family)
Isoëtes – p.341

JUGLANDACEAE (Walnut Family)
Carya – p.159
Juglans – p.344

JUNCACEAE (Rush Family)
Juncus – p.344
Luzula – p.389

JUNCAGINACEAE (Arrow-grass Family)
Triglochin – p.669

LAMIACEAE (Mint Family)
Agastache – p.30
Ajuga – p.35
Ballota – p.82
Blephilia – p.92
Clinopodium – p.181
Collinsonia – p.182
Dracocephalum – p.234
Elsholtzia – p.251
Galeopsis – p.288
Glechoma – p.301
Hedeoma – p.310
Hyssopus – p.334
Isanthus (see Trichostema)
Lamium – p.357
Leonurus – p.365
Lycopus – p.393
Marrubium – p.404
Melissa – p.408
Mentha – p.408
Monarda – p.416
Nepeta – p.430
Ocimum – p.435
Origanum – p.440
Perilla – p.455
Perovskia – p.456
Physostegia – p.470
Prunella – p.505
Pycnanthemum – p.512
Salvia – p.576
Satureja (see also Clinopodium) – p.581
Scutellaria – p.592
Sideritis – p.600

Stachys – p.633
Teucrium – p.656
Thymus – p.659
Trichostema – p.665

LARDIZABALACEAE (Lardizabala Family)
Akebia – p.36

LAURACEAE (Laurel Family)
Lindera – p.378
Sassafras – p.581

LENTIBULARIACEAE (Bladderwort Family)
Pinguicula – p.472
Utricularia – p.678

LILIACEAE (Lily Family)
Clintonia – p.181
Lilium – p.375
Medeola – p.405
Streptopus – p.636
Tricyrtis – p.666
Tulipa – p.674

LIMNANTHACEAE (Meadowfoam Family)
Floerkea – p.282

LINACEAE (Flax Family)
Linum (see also Radiola) – p.378
Millegrana (see Radiola)
Radiola – p.520

LINDERNIACEAE (False Pimpernel Family)
Lindernia – p.378

LOASACEAE (Loasa Family)
Mentzelia – p.410

LYCOPODIACEAE (Clubmoss Family)
Diphasiastrum – p.229
Huperzia – p.326
Lycopodiella – p.391
Lycopodium (see also Diphasiastrum, Huperzia, Lycopodiella, and Pseudolycopodiella) – p.392
Pseudolycopodiella – p.509

LYGODIACEAE (Climbing Fern Family)
Lygodium – p.395

LYTHRACEAE (Loosestrife Family)
Cuphea – p.204
Decodon – p.217
Lythrum – p.398
Rotala – p.542
Trapa – p.664

MAGNOLIACEAE (Magnolia Family)
Liriodendron – p.380
Magnolia – p.399

MALVACEAE (Mallow Family)
Abelmoschus – p.22
Abutilon – p.22
Alcea – p.36
Althaea (see also Alcea) – p.41
Anoda – p.55
Gossypium – p.305
Hibiscus – p.318
Lavatera – p.361
Malva – p.403
Malvastrum – p.404
Napaea – p.428
Pseudabutilon – p.508
Sida – p.599
Sphaeralcea – p.627
Tilia – p.660
Wissadula (see Pseudabutilon)

MARSILEACEAE (Water Clover Family)
Marsilea – p.404

MARTYNIACEAE (Cat's Claw Family)
Proboscidea – p.504

MAZACEAE (Mazus Family)
Mazus – p.405

MELANTHIACEAE (Bunchflower Family)
Anticlea – p.59
Chamaelirium – p.169
Stenanthium – p.536
Trillium – p.670
Veratrum – p.686
Zigadenus (see Anticlea)

MELASTOMATACEAE (Melastoma Family)
Rhexia – p.526

MENISPERMACEAE (Moonseed Family)
Menispermum – p.408

MENYANTHACEAE (Buckbean Family)
Menyanthes – p.410
Nymphoides – p.434

MOLLUGINACEAE (Carpetweed Family)
Mollugo – p.416

MONTIACEAE (Miner's Lettuce Family)
Calandrinia – p.107
Montia (see also Claytonia) – p.418

MORACEAE (Mulberry Family)
Broussonetia – p.104
Ficus – p.281
Maclura – p.399
Morus – p.418

MYRICACEAE (Bayberry Family)
Comptonia – p.184
Morella – p.418
Myrica (see also Morella) – p.422

NARTHECIACEAE (Bog Asphodel Family)
Aletris – p.37

NELUMBONACEAE (Lotus-lily Family)
Nelumbo – p.429

NYCTAGINACEAE (Four-o'clock Family)
Mirabilis – p.414

NYMPHAEACEAE (Water-lily Family)
Nuphar – p.432
Nymphaea – p.433

NYSSACEAE (Tupelo Family)
Nyssa – p.434

OLEACEAE (Olive Family)
Chionanthus – p.174
Forsythia – p.283
Fraxinus – p.285
Ligustrum – p.374
Syringa – p.652

ONAGRACEAE (Evening-primrose Family)
Calylophus (see Oenothera)
Camissonia – p.11
Camissoniopsis – p.112
Chamaenerion – p.170
Chamerion (see Chamaenerion)
Circaea – p.176
Clarkia – p.179
Epilobium (see also Chamaenerion) – p.254
Gaura (see Oenothera)
Ludwigia – p.387
Oenothera – p.435

ONOCLEACEAE (Sensitive Fern Family)
Matteuccia – p.405
Onoclea – p.439
Pteretis (see Matteuccia)

OPHIOGLOSSACEAE (Adder's-tongue Family)
Botrychium – p.95
Ophioglossum – p.439

ORCHIDACEAE (Orchid Family)
Amerorchis – p.49
Aplectrum – p.59
Arethusa – p.64
Calopogon – p.109
Calypso – p.110
Coeloglossum (see Dactylorhiza)
Corallorhiza – p.185
Cypripedium – p.212
Dactylorhiza – p.215
Epipactis – p.256
Galearis – p.287
Goodyera – p.305
Habenaria (see Dactylorhiza & Platanthera)
Isotria – p.342
Liparis – p.380
Listera (see Neottia)
Malaxis – p.401
Neottia – p.428
Orchis (see Amerorchis and Galearis)
Platanthera – p.476
Pogonia – p.483
Spiranthes – p.629
Tipularia – p.661
Triphora – p.671

OROBANCHACEAE (Broomrape Family)
Agalinis – p.29
Aureolaria – p.80
Castilleja – p.161
Conopholis – p.184
Epifagus – p.254
Euphrasia – p.274
Gerardia (see Agalinis and Aureolaria)
Melampyrum – p.407
Odontites – p.435
Orobanche – p.441
Pedicularis – p.453
Rhinanthus – p.526
Schwalbea – p.586

OSMUNDACEAE (Royal Fern Family)
Osmunda (see also Osmundastrum) – p.442
Osmundastrum – p.442

OXALIDACEAE (Wood Sorrel Family)
Oxalis – p.443
Xanthoxalis (see Oxalis)

PAEONIACEAE (Peony Family)
Paeonia – p.447

PAPAVERACEAE (Poppy Family)
Adlumia – p.28
Argemone – p.64
Capnoides – p.114
Chelidonium – p.170
Corydalis (see also Capnoides) – p.190
Dicentra (see also Lamprocapnos) – p.222
Eschscholzia – p.267
Fumaria – p.286
Glaucium – p.301
Hylomecon – p.330
Lamprocapnos – p.358
Macleaya – p.399
Papaver – p.449
Sanguinaria – p.579

PAULOWNIACEAE (Paulownia Family)
Paulownia – p.453

PEDALIACEAE (Sesame Family)
Sesamum – p.597

PENTHORACEAE (Penthorum Family)
Penthorum – p.455

PHRYMACEAE (Lopseed Family)
Diplacus – p.231
Erythranthe – p.267
Glossostigma – p.302
Mimulus (see also Diplacus and Erythranthe) – p.412
Phryma – p.468

PHYTOLACCACEAE (Pokeweed Family)
Phytolacca – p.470

PINACEAE (Pine Family)
Abies – p.22
Larix – p.359
Picea – p.470
Pinus – p.472
Pseudotsuga – p.509
Tsuga – p.674

PLANTAGINACEAE (Plantain Family)
Antirrhinum (see also Misopates) – p.59
Callitriche – p.108
Chaenorhinum – p.169
Chelone – p.170
Collinsia – p.182
Cymbalaria – p.207
Digitalis – p.227
Gratiola – p.306
Hippuris – p.322
Kickxia – p.354
Linaria (see also Nuttallanthus) – p.376
Littorella – p.381
Misopates – p.415
Nuttallanthus – p.433
Penstemon – p.454
Plantago – p.474
Pseudolysimachion (see Veronica)
Veronica – p.690
Veronicastrum – p.693

PLATANACEAE (Sycamore Family)
Platanus – p.480

PLUMBAGINACEAE (Leadwort Family)
Limonium – p.376

POACEAE (Grass Family)
Agropyron (see also Elymus, Pascopyrum and Thinopyrum) – p.33
Agrostis (see also Apera) – p.33
Aira – p.35
Alopecurus – p.40
Ammophila – p.49
Amphicarpum – p.50
Andropogon (see also Schizachyrium) – p.53
Anthoxanthum – p.57
Apera – p.59
Aristida – p.65
Arrhenatherum – p.68
Arthraxon – p.71
Arundinaria (see Pseudosasa)
Avena (see also Avenula and Ventenata) – p.80
Avenella – p.81
Avenula – p.81
Beckmannia – p.84
Bouteloua – p.97
Brachyelytrum – p.98
Brachypodium – p.98
Briza – p.100
Bromus – p.100
Calamagrostis – p.106
Catapodium – p.161
Cenchrus – p.163

Chasmanthium – p.170
Chloris – p.174
Cinna – p.176
Coleataenia – p.182
Corynephorus – p.191
Crypsis – p.202
Cynodon – p.207
Cynosurus – p.208
Dactylis – p.215
Dactyloctenium – p.215
Danthonia – p.216
Deschampsia (see also Avenella and Vahlodea) – p.218
Desmazeria (see Catapodium)
Dichanthelium – p.222
Digitaria – p.228
Dinebra – p.228
Diplachne – p.231
Distichlis – p.232
Echinochloa – p.242
Eleusine – p.250
Elymus (see also Leymus, Taeniatherum and Thinopyrum) – p.251
Elytrigia (see Elymus and Thinopyrum)
Eragrostis – p.258
Festuca (see also Lolium and Vulpia) – p.279
Gastridium – p.293
Glyceria (see also Torreyochloa) – p.302
Graphephorum – p.293
Heleochloa (see Crypsis)
Helictotrichon (see Avenula)
Hierchloë (see Anthoxanthum)
Holcus – p.322
Hordeum – p.323
Hystrix (see Elymus)
Koeleria – p.354
Leersia – p.363
Leptochloa (see Diplachne and Dinebra)
Leptoloma (see Digitaria)
Leymus – p.373
Lolium – p.383
Lycurus (see Muhlenbergia)
Microstegium – p.412
Milium – p.412
Miscanthus – p.414
Molinia – p.416
Muhlenbergia – p.419
Nardus – p.428
Oryzopsis (see also Patis and Piptatheropsis) – p.441
Panicum (see also Dichanthelium, Coleataenia and Urochloa) – p.447
Pappophorum – p.450
Pascopyrum – p.452
Paspalum – p.452
Patis – p.453
Phalaris – p.462
Phleum – p.465
Phragmites – p.467
Phyllostachys – p.468
Piptatheropsis – p.473
Piptatherum (see Patis)
Piptochaetium – p.474
Poa – p.480
Polypogon – p.489
Pseudosasa – p.509
Puccinellia (see also Torreyochloa) – p.510
Schizachne – p.583
Schizachyrium – p.583
Scleropoa (see Catapodium)
Secale – p.593
Setaria – p.598
Sorghastrum – p.623
Sorghum – p.623
Spartina – p.625
Sphenopholis – p.627
Sporobolus – p.631
Stipa (see Piptochaetium)
Taeniatherum – p.653
Thinopyrum – p.659
Torreyochloa – p.661
Tragus – p.664
Tridens – p.666
Triodia (see Tridens)
Triplasis – p.672
Tripsacum – p.672
Triraphis – p.672
Trisetum (see also Graphephorum and Sphenopholis) – p.672
Triticum – p.673
Uniola (see Chasmanthium)
Urochloa – p.677
Vahlodea – p.684
Ventenata – p.685
Vulpia – p.709
Zea – p.716
Zizania – p.716
Zoysia – p.717

PODOSTEMACEAE (Riverweed Family)
Podostemum – p.483

POLEMONIACEAE (Phlox Family)
Collomia – p.183
Gilia (see also Ipomopsis) – p.300
Ipomopsis – p.338

Navarretia – p.429
Phlox – p.466
Polemonium – p.483

POLYGALACEAE (Milkwort Family)
Polygala – p.484
Polygaloides – p.485

POLYGONACEAE (Knotweed Family)
Aconogonon – p.26
Bistorta – p.91
Chorizanthe – p.175
Emex – p.253
Fagopyrum – p.278
Fallopia – p.278
Oxyria – p.445
Persicaria – p.456
Polygonella (see Polygonum)
Polygonum (see also Bistorta, Fallopia and Persicaria) – p.486
Reynoutria – p.525
Rheum – p.526
Rumex – p.556
Tovara (see Persicaria)

POLYPODIACEAE (Polypody Family)
Polypodium – p.488

PONTEDERIACEAE (Pickerelweed Family)
Eichhornia – p.244
Heteranthera – p.317
Pontederia – p.490
Zosterella (see Heteranthera)

PORTULACACEAE (Purslane Family)
Claytonia – p.179
Portulaca – p.492

POTAMOGETONACEAE (Pondweed Family)
Potamogeton (see also Stuckenia) – p.493
Stuckenia – p.637
Zannichellia – p.715

PRIMULACEAE (Primrose Family)
Anagallis (see Lysimachia)
Androsace – p.53
Centunculus (see Lysimachia)
Glaux (see Lysimachia)
Hottonia – p.324
Lysimachia – p.395
Naumbergia (see Lysimachia)
Primula – p.504
Samolus – p.579
Steironema (see Lysimachia)
Trientalis (see Lysimachia)

PTERIDACEAE (Maidenhair Fern Family)
Adiantum – p.28
Cheilanthes (see Myriopteris)
Cryptogramma – p.202
Myriopteris – p.425
Pellaea – p.453

RANUNCULACEAE (Buttercup Family)
Aconitum – p.26
Actaea – p.27
Anemone (see also Hepatica and Pulsatilla) – p.53
Anemonella (see Thalictrum)
Aquilegia – p.60
Caltha – p.109
Cimicifuga (see Actaea)
Clematis – p.180
Consolida – p.184
Coptidium – p.185
Coptis – p.185
Delphinium (see also Consolida) – p.217
Ficaria – p.281
Halerpestes – p.309
Hepatica – p.316
Hydrastis – p.328
Myosurus – p.422
Nigella – p.431
Pulsatilla – p.512
Ranunculus (see also Coptidium, Ficaria and Halerpestes) – p.520
Thalictrum – p.657
Trollius – p.673
Xanthorhiza – p.714

RESEDACEAE (Mignonette Family)
Reseda – p.524

RHAMNACEAE (Buckthorn Family)
Ceanothus – p.162
Frangula – p.284
Rhamnus (see also Frangula) – p.525

ROSACEAE (Rose Family)
Agrimonia – p.31
Alchemilla – p.36
Amelanchier – p.45
Aronia (see also X Sorbaronia) – p.68
Aruncus – p.71
Chaenomeles – p.168
Comarum – p.183

Cotoneaster – p.192
Crataegus – p.193
Cydonia (see also Chaenomeles) – p.207
Dalibarda (see Rubus)
Dasiphora – p.216
Drymocallis – p.235
Duchesnea – p.240
Exochorda – p.277
Filipendula – p.281
Fragaria – p.283
Geum (see also Waldsteinia) – p.298
Gillenia – p.300
Kerria – p.353
Malus – p.401
Pentaphylloides (see Dasiphora)
Photinia (see also Aronia) – p.467
Physocarpus – p.469
Porteranthus (see Gillenia)
Potentilla (see also Comarum, Dasiphora, Drymocallis, Duchesnia and Sibbaldiopsis) – p.500
Poteridium – p.503
Poterium – p.504
Prunus – p.505
Pyrus (see also Aronia, Malus, X Sorbaronia and Sorbus) – p.514
Rhodotypus – p.529
Rosa – p.536
Rubus – p.542
Sanguisorba (see also Poteridium and Poterium) – p.579
Sibbaldia – p.599
Sibbaldiopsis – p.599
Sorbaria – p.621
X Sorbaronia – p.621
Sorbus (see also X Sorbaronia) – p.622
Spiraea – p.628
Waldsteinia – p.711

RUBIACEAE (Madder Family)
Asperula (see also Galium) – p.74
Cephalanthus – p.166
Diodia – p.229
Galium (see also Asperula and Sherardia) – p.288
Hedyotis (see Houstonia)
Houstonia – p.325
Mitchella – p.415
Sherardia – p.599

RUPPIACEAE (Ditchgrass Family)
Ruppia – p.559

RUTACEAE (Citrus Family)
Dictamnus – p.226
Phellodendron – p.464
Ptelea – p.510
Ruta – p.560
Zanthoxylum – p.715

SALICACEAE (Willow Family)
Populus – p.490
Salix – p.565

SALVINIACEAE (Floating Fern Family)
Azolla – p.81
Salvinia – p.578

SANTALACEAE (Sandalwood Family)
Arceuthobium – p.62
Comandra – p.183
Geocaulon – p.296

SAPINDACEAE (Soapberry Family)
Acer – p.23
Aesculus – p.29
Cardiospermum – p.117

SARRACENIACEAE (Pitcher Plant Family)
Sarracenia – p.581

SAURURACEAE (Lizard's-tail Family)
Saururus – p.582

SAXIFRAGACEAE (Saxifrage Family)
Astilbe – p.76
Chrysosplenium – p.175
Heuchera – p.38
Micranthes – p.411
Mitella – p.415
Saxifraga (see also Micranthes) – p.582
Tiarella – p.660

SCHEUCHZERIACEAE (Scheuchzeria Family)
Scheuchzeria – p.583

SCROPHULARIACEAE (Figwort Family)
Buddleja – p.104
Limosella – p.376
Scrophularia – p.591
Verbascum – p.686

SELAGINELLACEAE (Spikemoss Family)
Selaginella – p.595

SIMAROUBACEAE (Quassia Family)
Ailanthus – p.35

SMILACACEAE (Greenbrier Family)
Smilax – p.606

SOLANACEAE (Nightshade Family)
Alkekengi – p.37
Capsicum – p.115
Chamaesaracha (see Leucophysalis)
Datura – p.216
Hyoscyamus – p.331
Leucophysalis – p.372
Lycium – p.391
Lycopersicon (see Solanum)
Nicandra – p.430
Nicotiana – p.430
Petunia – p.461
Physalis (see also Alkekengi and Leucophysalis) – p.468
Salpiglossis – p.375
Solanum – p.607

STAPHYLEACEAE (Bladdernut Family)
Staphylea – p.634

STYRACACEAE (Storax Family)
Halesia – p.309

SYMPLOCACEAE (Sweetleaf Family)
Symplocos – p.651

TAMARICACEAE (Tamarisk Family)
Tamarix – p.653

TAXACEAE (Yew Family)
Taxus – p.655

THELYPTERIDACEAE (Marsh Fern Family)
Phegopteris – p.463
Thelypteris (see also Phegopteris) – p.658

THYMELAEACEAE (Daphne Family)
Daphne – p.216
Dirca – p.232

TOFIELDIACEAE (False Asphodel Family)
Tofieldia (see Triantha)
Triantha – p.232

TROPAEOLACEAE (Nasturtium Family)
Tropaeolum – p.673

TYPHACEAE (Cat-tail Family)
Sparganium – p.623
Typha – p.675

ULMACEAE (Elm Family)
Ulmus – p.676

URTICACEAE (Nettle Family)
Boehmeria – p.93
Laportea – p.358
Parietaria – p.450
Pilea – p.471
Urtica – p.677

VERBENACEAE (Vervain Family)
Glandularia – p.301
Verbena (see also Glandularia) – p.687

VIOLACEAE (Violet Family)
Hybanthus – p.327
Viola – p.699

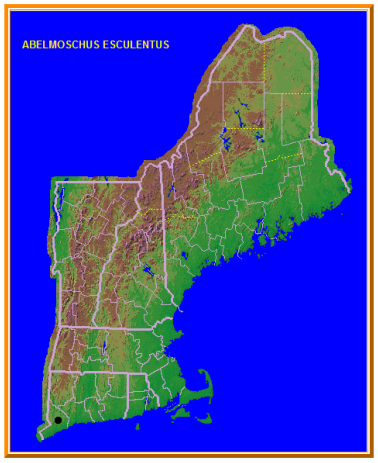
VITACEAE (Grape Family)
Ampelopsis – p.50
Parthenocissus – p.451
Vitis – p.708

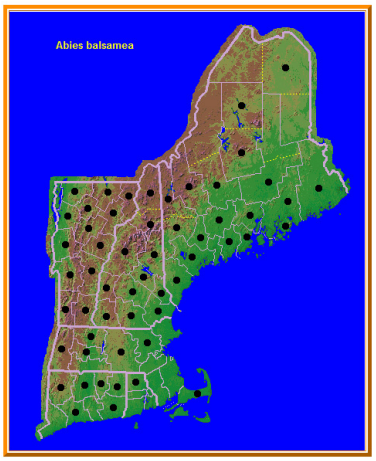
WOODSIACEAE (Cliff Fern Family)
Cystopteris – p.213
Diplazium (see Homalosorus)
Gymnocarpium – p.307
Homalosorus – p.323
Woodsia – p.712

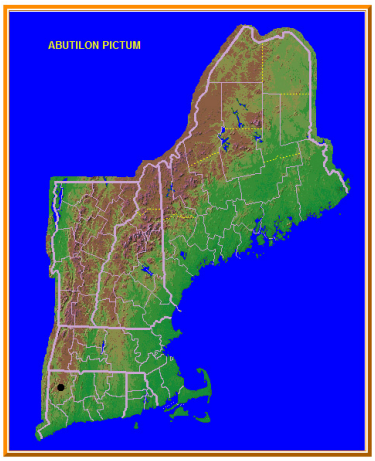
XANTHORRHOEACEAE (Grass Tree Family)
Hemerocallis – p.316

XYRIDACEAE (Yellow-eyed Grass Family)
Xyris – p.714

ZOSTERACEAE (Eel-grass Family)
Zostera – p.717







ABELMOSCHUS (Family: Malvaceae)

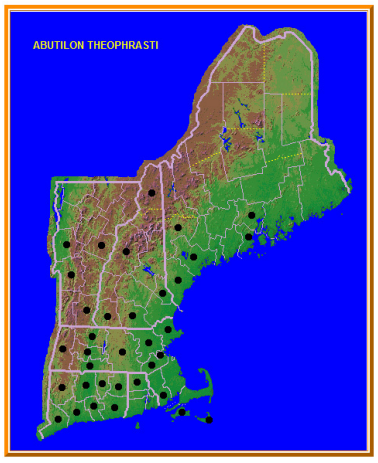
ABELMOSCHUS ESCULENTUS (Linnaeus) Moench - **Okra**. 2n = (58), (72), (108), (118), 120, (122), 130, (132), (144), (194).
Waste places. From southern Asia or western Africa.

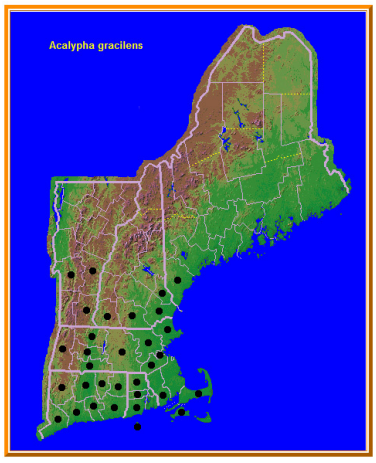
ABIES (Family: Pinaceae)

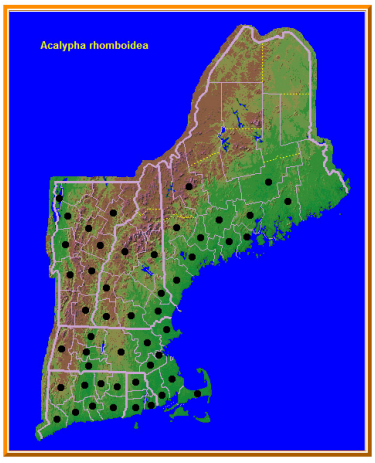
Abies balsamea (Linnaeus) Miller - **Balsam Fir**. 2n = 24.
Damp, rich, cool woods, swamps, mountain slopes. [*A. balsamea* var. *phanerolepis* Fernald]

ABUTILON (Family: Malvaceae)

ABUTILON PICTUM (Gillies *ex* Hooker & Arnott) Walpers - **Painted Indian-mallow**. 2n = 16.
Railroads. From South America. [*A. STRIATUM* G.F. Dickson *ex* Lindley]





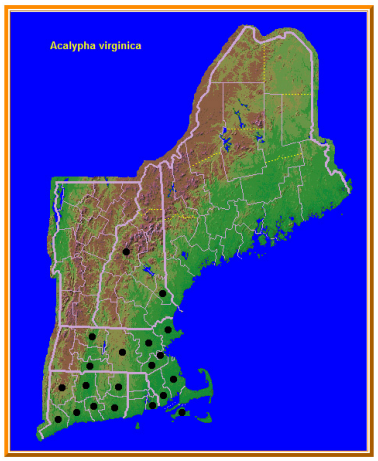


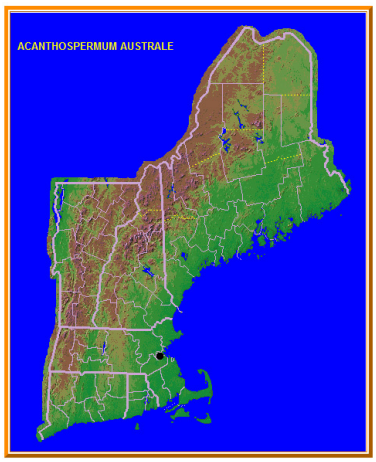
ABUTILON THEOPHRASTI Medikus - **Velvet-leaf**. 2n = (28), 42.
Waste places, fields, roadsides. From Eurasia, northern Africa.

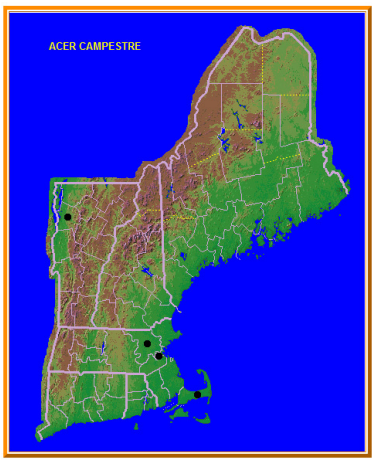
ACALYPHA (Family: Euphorbiaceae)

Acalypha gracilens A. Gray - . 2n = 40.
Dry fields, sandy thickets, roadsides, waste places.

Acalypha rhomboidea Rafinesque - . 2n = ?
Fields, roadsides, woodland margins, waste places. [*A. virginica* misapplied]







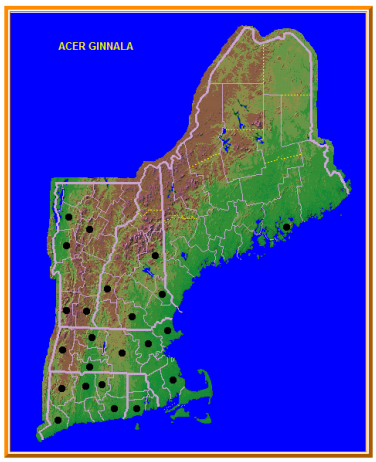
Acalypha virginica Linnaeus - . 2n = 40.
Waste places, roadsides, fields, open woodlands, in dry soils.

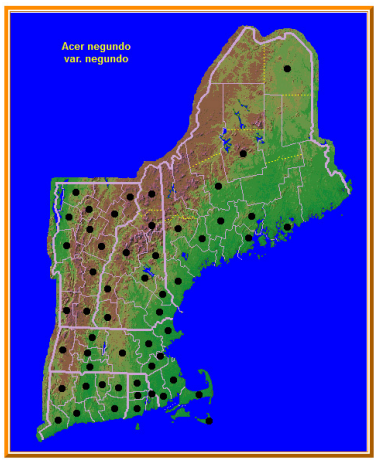
ACANTHOSPERMUM (Family: Asteraceae)

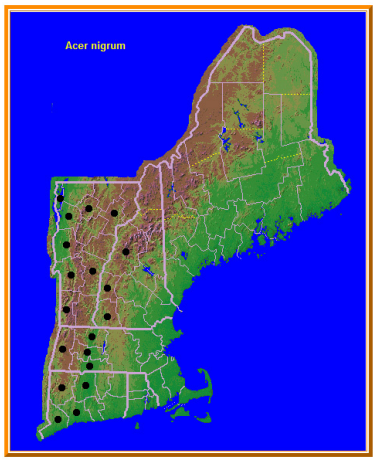
ACANTHOSPERMUM AUSTRALE (Loefling) Kuntze - **Paraguay-bur**. 2n = 20, 22.
Waste places. From South America, the Caribbean.

ACER (Family: Sapindaceae)

ACER CAMPESTRE Linnaeus - **Hedge Maple**. 2n = 26.
Hedgerows, roadsides. From Eurasia, northwestern Africa.



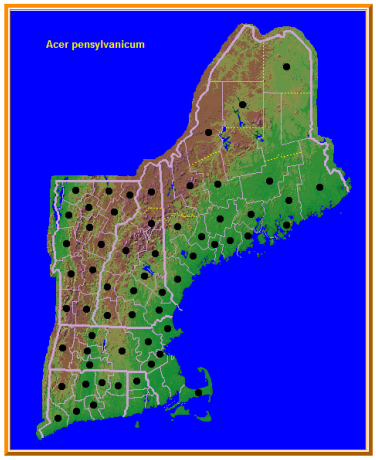


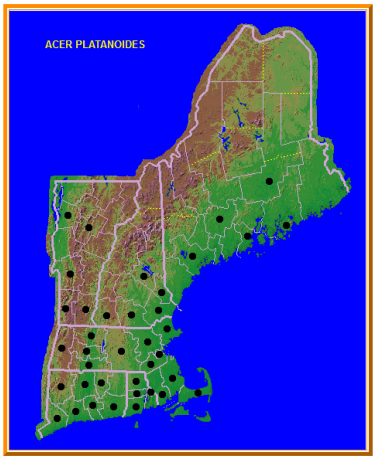


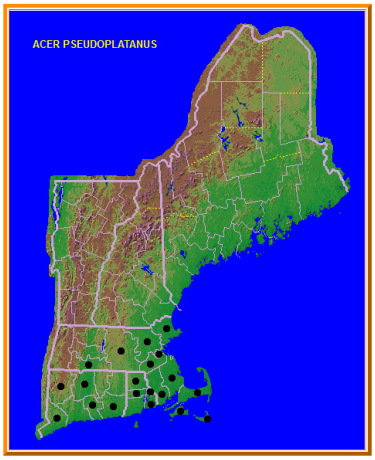
ACER GINNALA Maximowicz - **Amur Maple**. 2n = 26.
Woodland and field margins, roadsides. From eastern Asia.

Acer negundo Linnaeus var. ***negundo*** - **Ashleaf Maple**. 2n = 26, (42).
Roadsides, waste places, streambanks, alluvial woodlands, railroad margins. [*A. NEGUNDO* var. *VIOLACEUM* (G. Kirchner) H. Jaeger]

Acer nigrum F. Michaux - **Black Maple**. 2n = 26.
Rich, calcareous or alluvial woodlands.



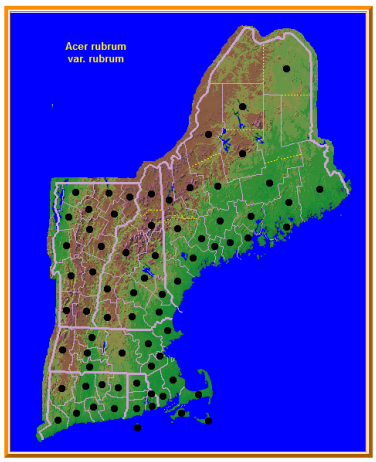


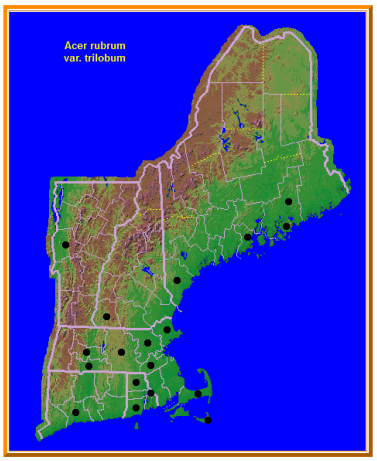


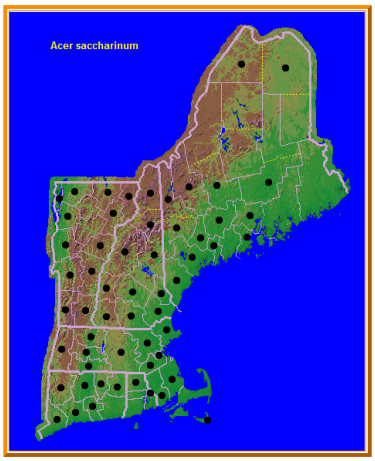
Acer pensylvanicum Linnaeus - **Striped Maple**. 2n = 26.
Moist, rich woodlands.

ACER PLATANOIDES Linnaeus - **Norway Maple**. 2n = 26.
Roadsides, hedgerows, waste places, woodland margins. From Eurasia.

ACER PSEUDOPLATANUS Linnaeus - **Sycamore Maple**. 2n = 52.
Roadsides, fencerows, waste places, woodland margins, streambanks. From Eurasia.



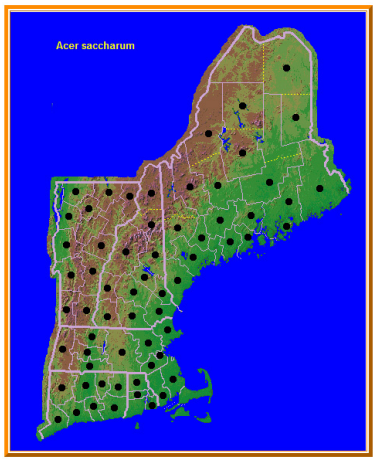


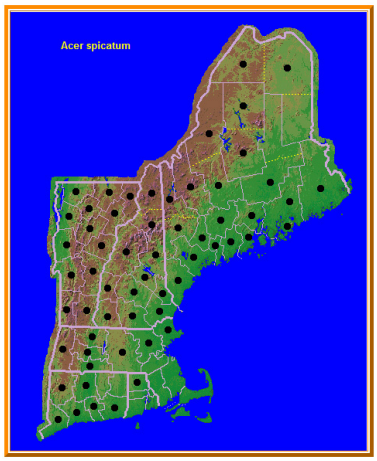


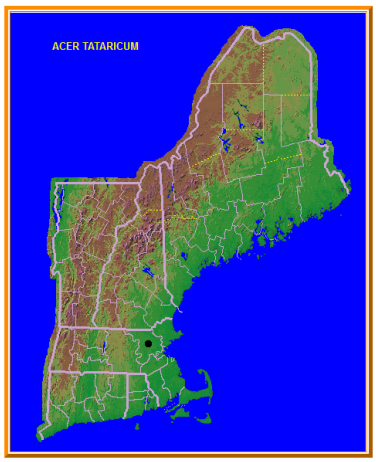
Acer rubrum Linnaeus var. ***rubrum*** - **Red Maple**. 2n = 26, 78, 91, 104.
Acidic woodlands, swamps, alluvial soils, shores, moist fields.

Acer rubrum Linnaeus var. ***trilobum*** K. Koch - . 2n = ?
Swamps, low woodlands. [*A. rubrum* var. *tridens* Alph. Wood]

Acer saccharinum Linnaeus - **Silver Maple**. 2n = 52.
Streambanks, alluvial soils, swamps.



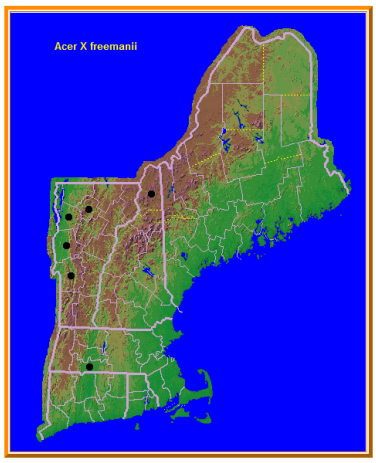


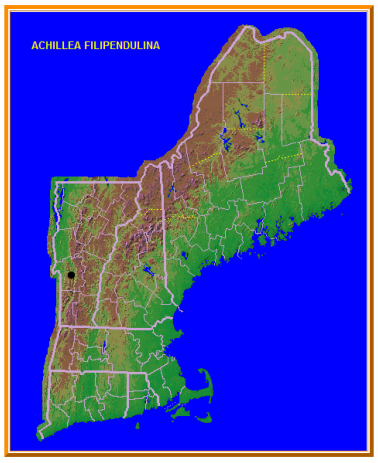


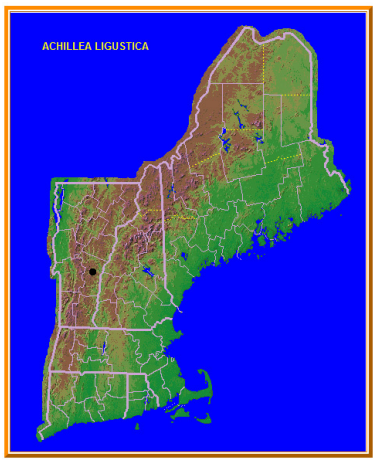
Acer saccharum Marshall - **Sugar Maple**. 2n = 26.
Rich woodlands, especially in calcareous soils.

Acer spicatum Lamarck - **Mountain Maple**. 2n = 26.
Rich, moist woodlands.

ACER TATARICUM Linnaeus - **Tatarian Maple**. 2n = 26.
Roadsides. From Eurasia.







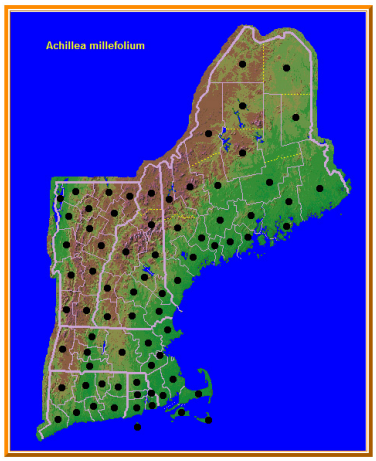
***Acer* hybrid**

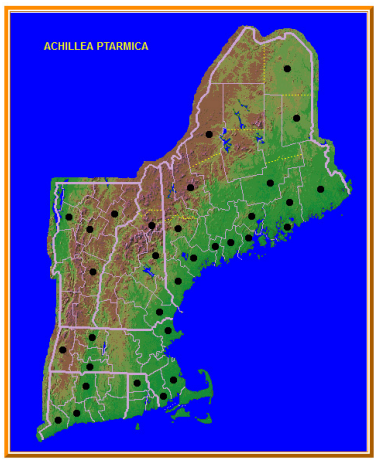
Acer X ***freemanii*** A.E. Murray - .
[*A. rubrum* Linnaeus X *A. saccharinum* Linnaeus]

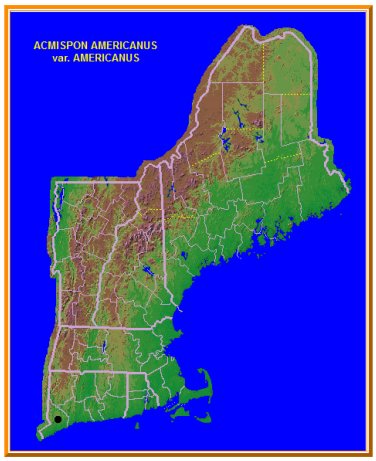
ACHILLEA (Family: Asteraceae)

ACHILLEA FILIPENDULINA Lamarck - **Gold Yarrow**. 2n = 18, (36), (54).
Clay soil. From the Caucasus and western Asia.

ACHILLEA LIGUSTICA Allioni - **Ligurian Yarrow**. 2n = 18, (ca. 54).
Roadsides. From the Mediterranean.





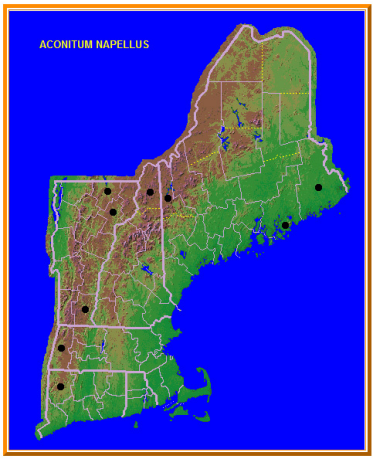


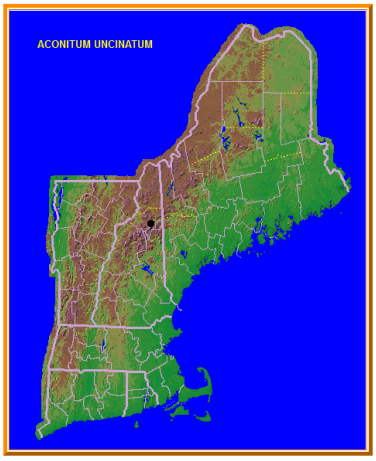
Achillea millefolium Linnaeus - **Common Yarrow**. 2n = (18), (27), 36, (45), 54, (63), (72), (74).
Dry fields, roadsides, waste grounds. [*A. borealis* Bongard; *A. lanulosa* Nuttall]

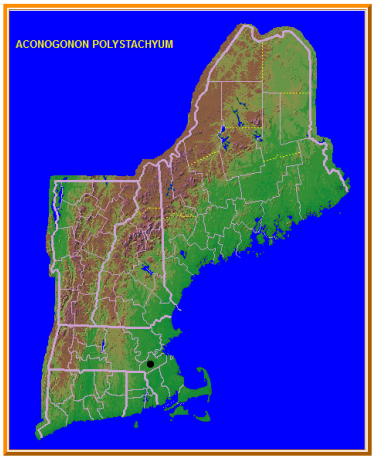
ACHILLEA PTARMICA Linnaeus - **Sneezewort**. 2n = 18.
Roadsides, fields. From Eurasia.

ACMISPON (Family: Fabaceae)

ACMISPON AMERICANUS (Nuttall) Rydberg var. ***AMERICANUS*** - **Prairie Trefoil**. 2n = 14.
Railroads, waste places. From farther west. [*HOSACKIA AMERICANA* (Nuttall) Piper; *LOTUS AMERICANUS* – misapplied; *L. PURSHIANUS* Clements & E.G. Clements; *L. UNIFOLIOLATUS* (Hooker) Bentham]







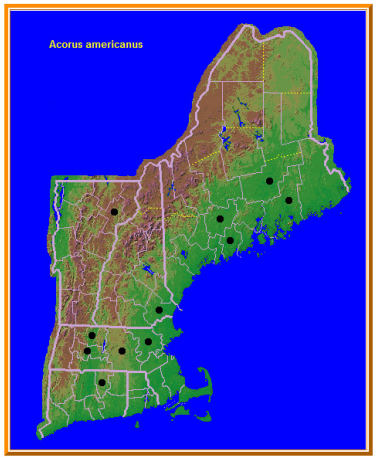
ACONITUM (Family: Ranunculaceae)

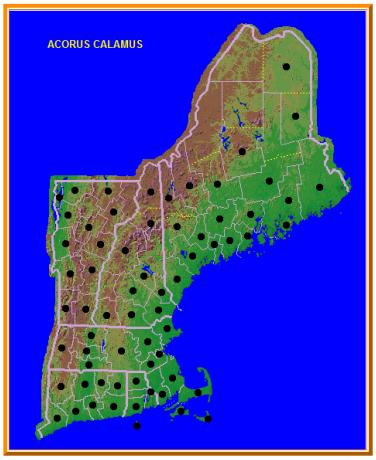
ACONITUM NAPELLUS Linnaeus - **Garden Monkshood**. 2n = (16), 32.
Roadsides, thickets, old house sites. From Europe.

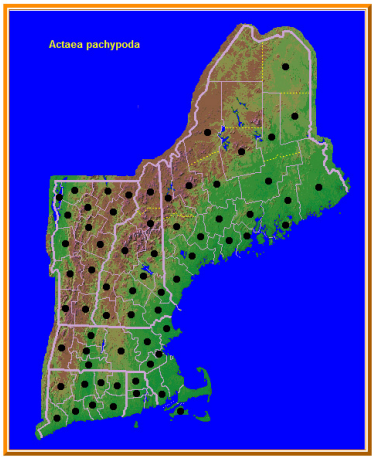
ACONITUM UNCINATUM Linnaeus - **Wild Monkshood**. 2n = 16.
Waste places. From farther south.

ACONOGONON (Family: Polygonaceae)

ACONOGONON POLYSTACHYUM (Wallich *ex* Meisner) M. Král - **Himalayan Knotweed**. 2n = 22.
Moist, waste places. From Asia. [*PERSICARIA WALLICHII* misapplied; *POLYGONUM POLYSTACHYUM* Wallich *ex* Meisner]







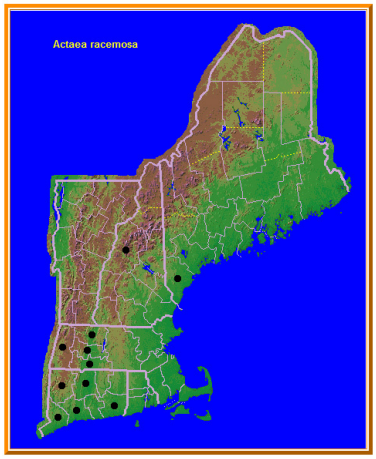
ACORUS (Family: Acoraceae)

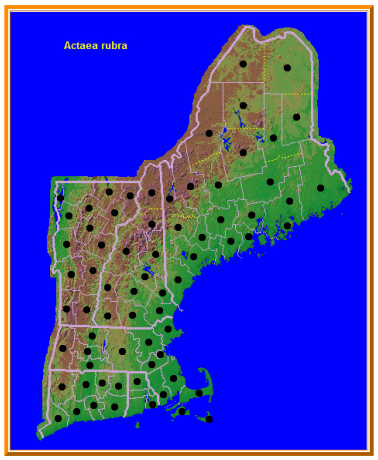
Acorus americanus (Rafinesque) Rafinesque. - **Sweet Flag**. 2n = 24.
Marshes, shores, wet meadows. [*A. calamus* misapplied] [The mapped distribution may include specimens of the introduced sterile triploid, *A. CALAMUS*, which is not generally distinguished in herbaria.]

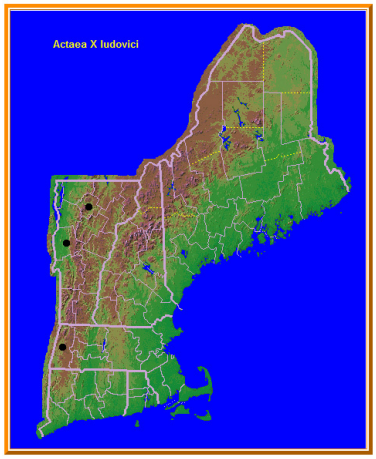
ACORUS CALAMUS Linnaeus - **Sweet Flag**. 2n = (24), (33), (34), (35), 36, (42), (44), (45), (66).
Marshes, shores, wet meadows. From Europe. [This sterile triploid is not separated from the native species in most herbaria.]

ACTAEA (Family: Ranunculaceae)

Actaea pachypoda Elliott - **White Baneberry**. 2n = 16.
Rich woods.





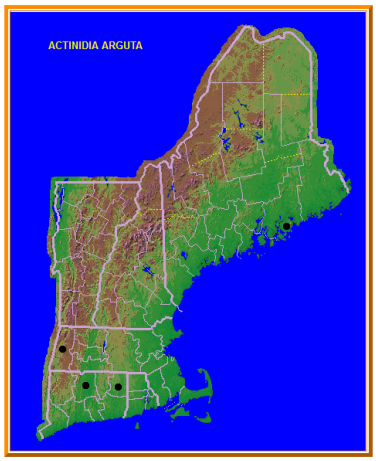


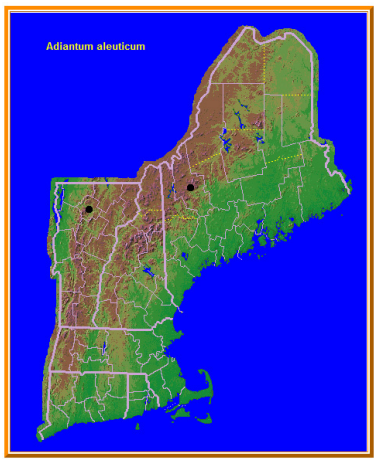
Actaea racemosa Linnaeus - **Black Snakeroot**. 2n = 16.
Rich, moist woods. [*Cimicifuga racemosa* (Linnaeus) Nuttall]

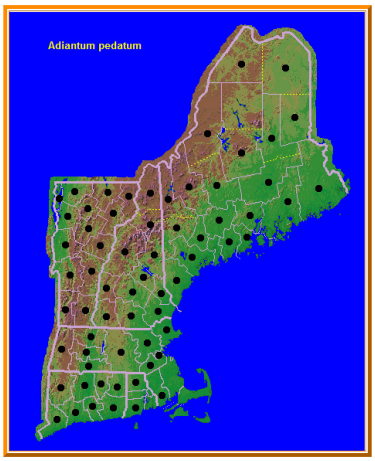
Actaea rubra (Aiton) Willdenow - **Red Baneberry**. 2n = 16.
Rich woods.

***Actaea* hybrid**

Actaea X ***ludovici*** B. Boivin - .
[*A. pachypoda* Elliott X *A. rubra* (Aiton) Willdenow]







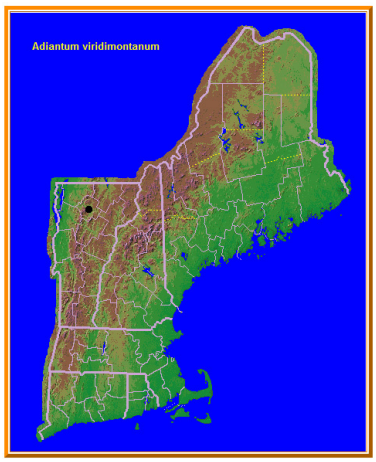
ACTINIDIA (Family: Actinidiaceae)

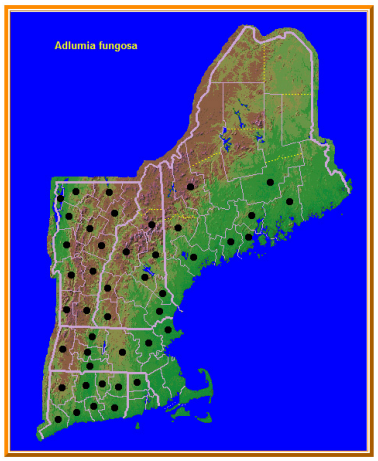
ACTINIDIA ARGUTA (Siebold & Zuccarini) Planchon *ex* Miquel - **Hardy Kiwi**. 2n = 116.
Roadsides, woodland margins. From eastern Asia.

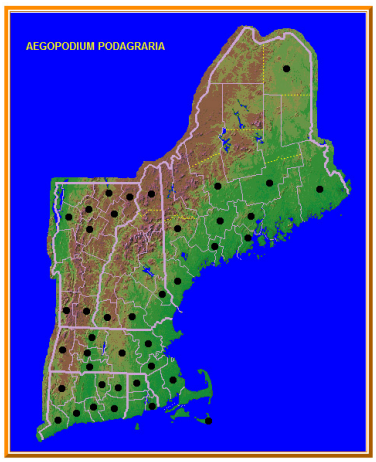
ADIANTUM (Family: Pteridaceae)

Adiantum aleuticum (Ruprecht) C.A. Paris - **Aleutian Maidenhair** Fern. 2n = 58.
Serpentine barrens. [*A. pedatum* Linnaeus var. *aleuticum* Ruprecht; *A. pedatum* subsp. *calderi* Cody]

Adiantum pedatum Linnaeus - **Common Maidenhair** Fern. 2n = (44), 58, (60), (87), (118), (120).
Rich, deciduous woods, in circumneutral or basic soil.







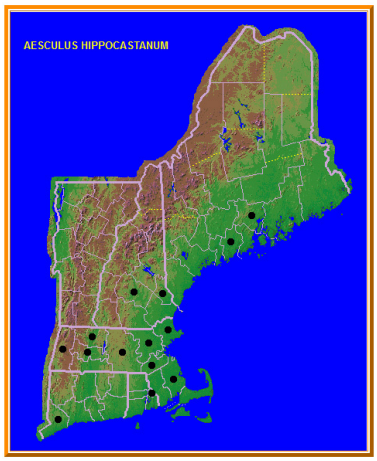
Adiantum viridimontanum C.A. Paris - . 2n = 116.
Serpentine rocks.

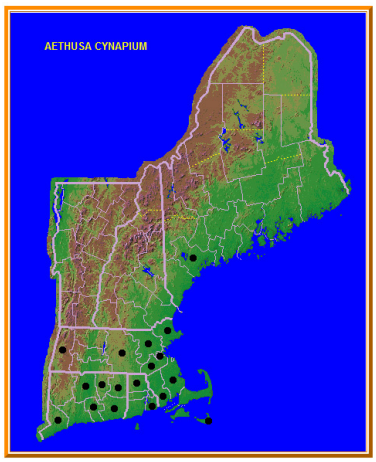
ADLUMIA (Family: Papaveraceae)

Adlumia fungosa (Aiton) Greene *ex* Britton, Sterns & Poggenberg - **Climbing Fumitory**. 2n = 32.
Moist ledges, moist, rocky woods.

AEGOPODIUM (Family: Apiaceae)

AEGOPODIUM PODAGRARIA Linnaeus - **Goutweed**. 2n = 22, (38), (39), 42, 44.
Roadsides, waste places, open woodlands, often in moist shade. From Eurasia.





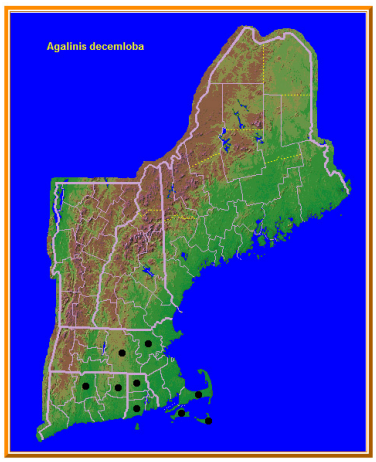
AESCULUS (Family: Sapindaceae)

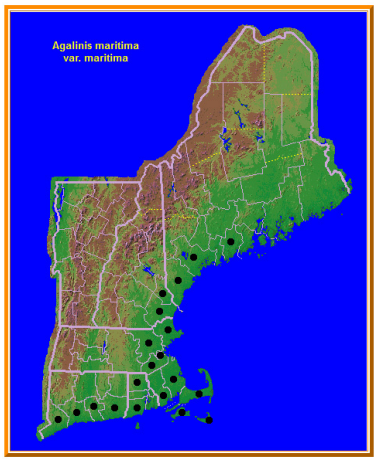
AESCULUS GLABRA Willdenow var. ***GLABRA*** - **Ohio Buckeye**. 2n = 40.
Woodlands. From farther west and south.

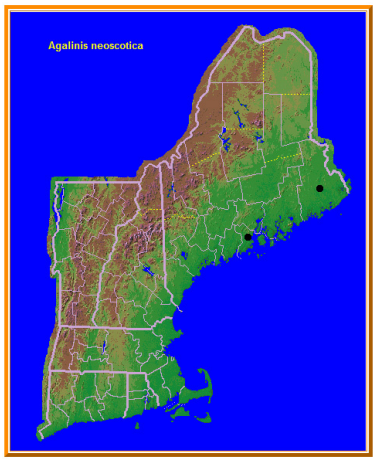
AESCULUS HIPPOCASTANUM Linnaeus - **Horse-chestnut**. 2n = 40.
Roadsides, waste places, woodland margins. From southeastern Europe.

AETHUSA (Family: Apiaceae)

AETHUSA CYNAPIUM Linnaeus - **Fool's-parsley**. 2n = 20, (22).
Roadsides, waste places. From Eurasia.





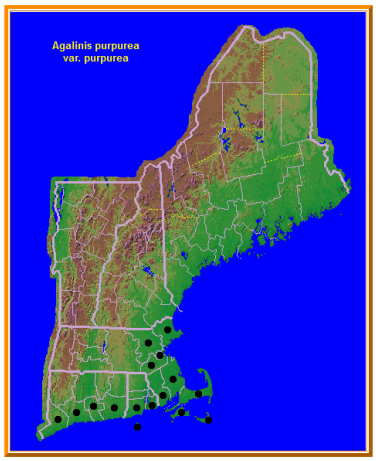


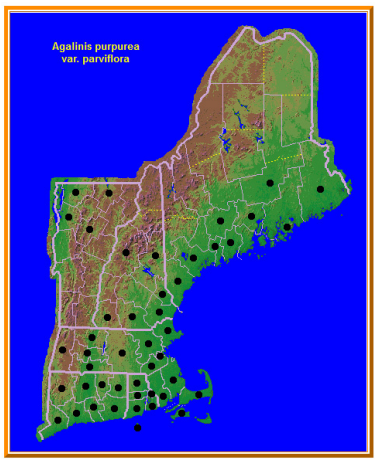
AGALINIS (Family: Orobanchaceae)

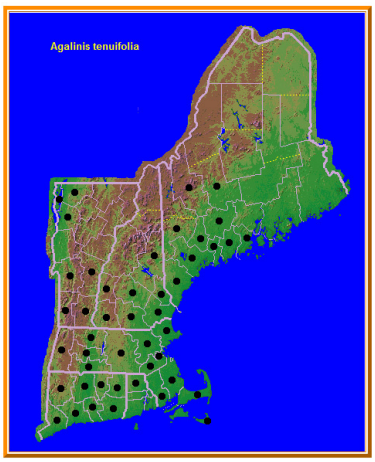
Agalinis decemloba (Greene) Pennell - . 2n = 26, 52.
Fields, woodland openings, roadsides, usually in dry, sandy soil. [*A. acuta* Pennell; *Gerardia acuta* Pennell]

Agalinis maritima (Rafinesque) Rafinesque var. ***maritima*** - . 2n = 26, 28.
Salt marshes. [*Gerardia maritima* Rafinesque var. *maritima*]

Agalinis neoscotica (Greene) Fernald - . 2n = 28.
Damp sand or marshy mudflats near the sea. [*A. purpurea* (Linnaeus) Pennell var. *neoscotica* (Greene) B. Boivin; *Gerardia neoscotica* Greene]



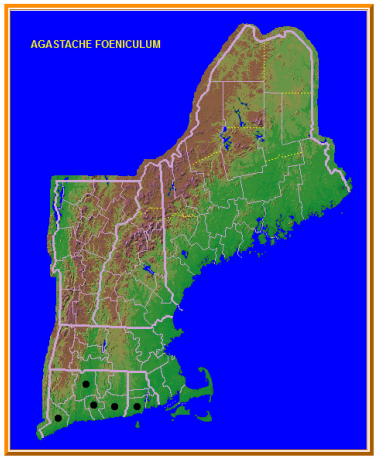


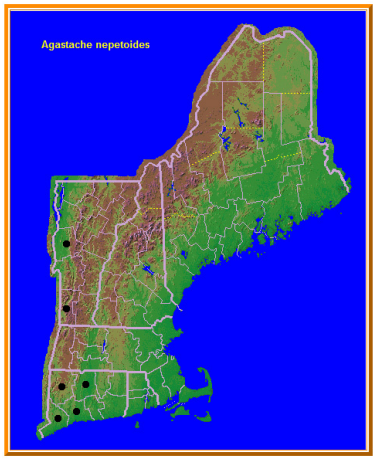


Agalinis purpurea (Linnaeus) Pennell var. ***purpurea*** - . 2n = 28.
Swampy fields, meadows, salt marsh margins, dune hollows. [*Gerardia purpurea* Linnaeus]

Agalinis purpurea (Linnaeus) Pennell var. ***parviflora*** (Bentham) B. Boivin - . 2n = 26, 28.
Meadows, wet fields, swamps, shores, bogs, damp, open ground. [*A. paupercula* (A. Gray) Britton var. *paupercula*; *A. paupercula* var. *borealis* Pennell; *Gerardia paupercula* (A. Gray) Britton var. *paupercula*; *G. paupercula* var. *borealis* (Pennell) Deam; *G. purpurea* Linnaeus var. *parviflora* Bentham]

Agalinis tenuifolia (Vahl) Rafinesque - . 2n = 26, 28.
Woodland openings, fields, thickets, roadsides, usually in dry soil. [*A. tenuifolia* var. *macrophylla* (Bentham) S.F. Blake; *A. tenuifolia* var. *parviflora* (Nuttall) Pennell; *Gerardia tenuifolia* Vahl var. *tenuifolia*; *G. tenuifolia* var. *macrophylla* Bentham; *G. tenuifolia* var. *parviflora* Nuttall]





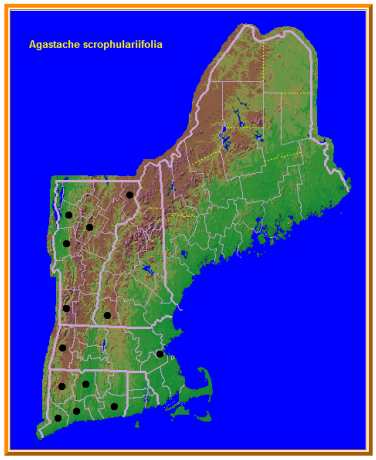
***Agalinis* hybrid**

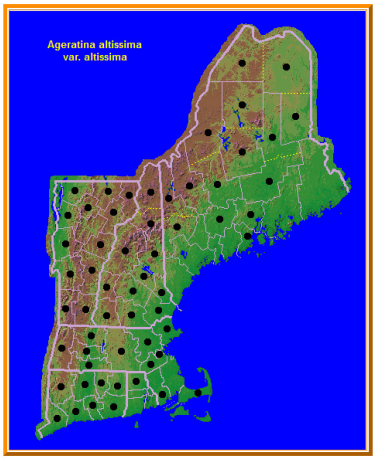
Agalinis purpurea (Linnaeus) Pennell var. ***parviflora*** (Bentham) B. Boivin X ***A. tenuifolia*** (Vahl) Rafinesque - .

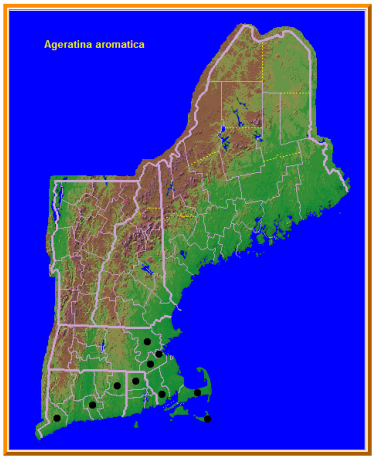
AGASTACHE (Family: Lamiaceae)

AGASTACHE FOENICULUM (Pursh) Kuntze - **Blue Giant Hyssop**. 2n = 18.
Waste places, woodland margins, fields. From farther west.

Agastache nepetoides (Linnaeus) Kuntze - **Yellow Giant Hyssop**. 2n = 18.
Roadsides, thickets, open woodlands.





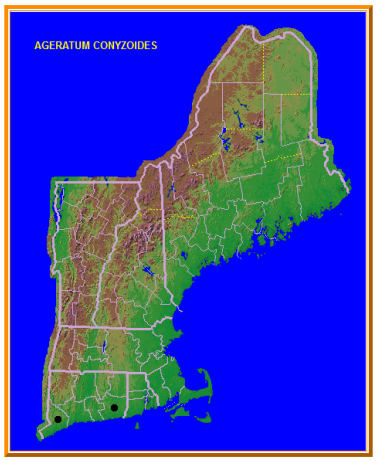


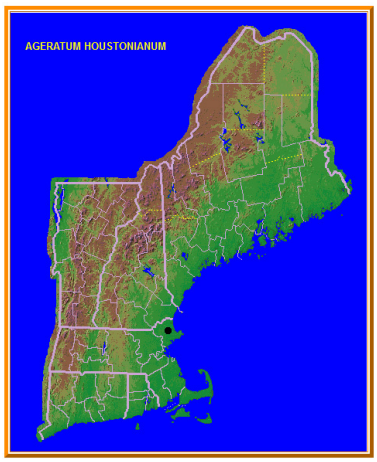
Agastache scrophulariifolia (Willdenow) Kuntze - **Purple Giant Hyssop**. 2n = 18.
Thickets, rich, open woodlands, streambanks, roadsides. [*A. scrophulariifolia* var. *mollis* (Fernald) A. Heller]

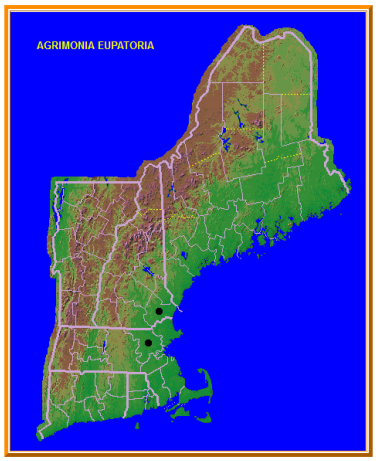
AGERATINA (Family: Asteraceae)

Ageratina altissima (Linnaeus) R.M. King & H. Robinson var. ***altissima*** - **White Snakeroot**. 2n = 34, (58).
Rich, moist woods, especially along rivers. [*Eupatorium rugosum Houttuyn*]

Ageratina aromatica (Linnaeus) Spach - **Smaller White Snakeroot**. 2n = 34.
Dry, open woods, clearings, thickets. [*Eupatorium aromaticum* Linnaeus]







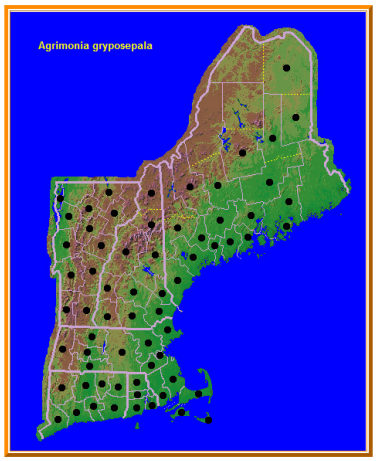
AGERATUM (Family: Asteraceae)

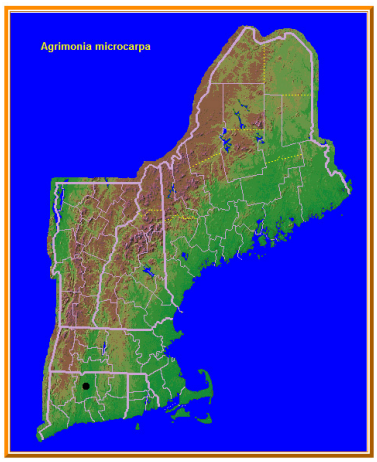
AGERATUM CONYZOIDES Linnaeus - **Billygoat-weed**. 2n = 20, (30), (32), (36), (38), 40.
Waste ground. From South America.

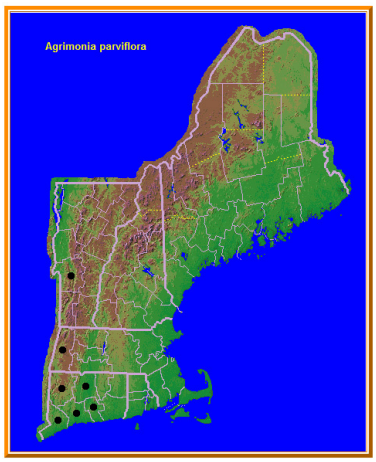
AGERATUM HOUSTONIANUM Miller - **Bluemink**. 2n = 20, (40).
Disturbed sites. From southeastern Mexico and Central America.

AGRIMONIA (Family: Rosaceae)

AGRIMONIA EUPATORIA Linnaeus - **Church Steeples**. 2n = 28, (56).
Waste places, fields. From Eurasia, northern Africa.



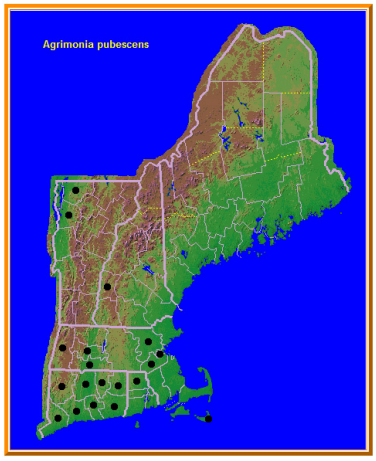


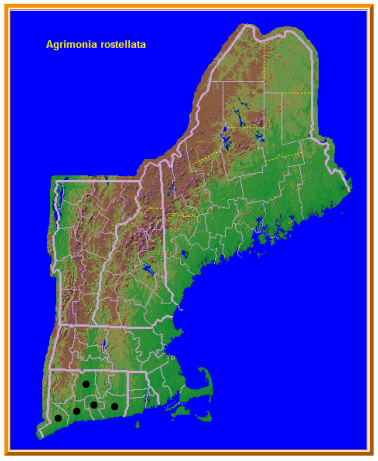


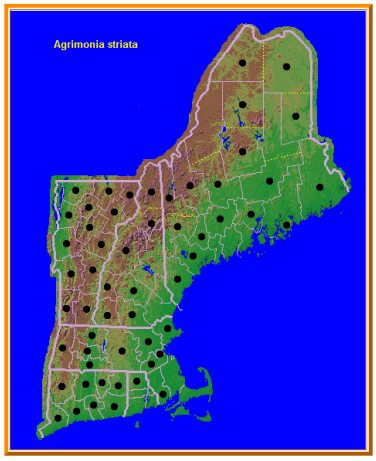
Agrimonia gryposepala Wallroth - . 2n = 56.
Thickets, deciduous or mixed woodlands, roadsides.

Agrimonia microcarpa Wallroth - . 2n = ?
Rocky woods.

Agrimonia parviflora Aiton - . 2n = 28.
Calcareous river thickets, riverbanks, meadows, moist woods in circumneutral soil, moist, sandy roadsides.



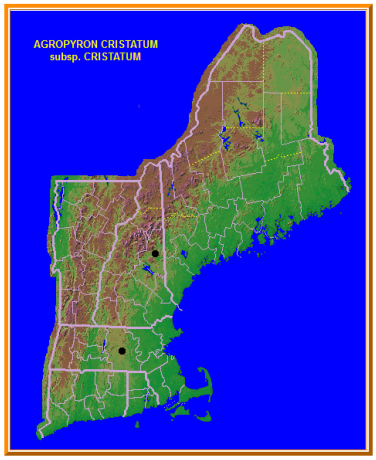


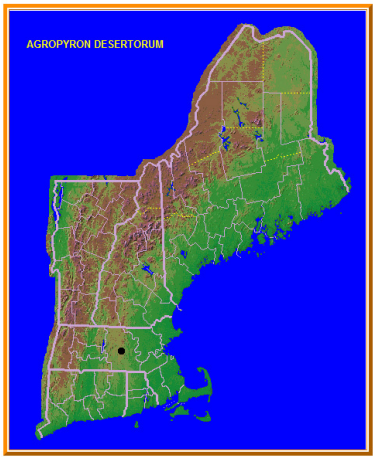


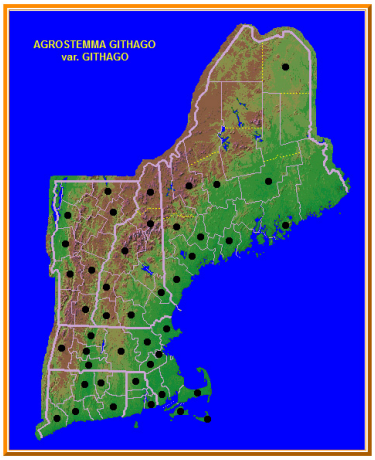
Agrimonia pubescens Wallroth - . 2n = 28.
Rich, open, deciduous or mixed woodlands, swamps. [*A. bicknellii* (Kearney) Rydberg; *A. mollis* (Torrey & A. Gray) Britton; *A. mollis* var. *bicknellii* Kearney]

Agrimonia rostellata Wallroth - **Woodland Agrimony**. 2n = 28.
Dry, open, rocky woods.

Agrimonia striata Michaux - . 2n = 28, 56.
Thickets, woodland borders, woods.







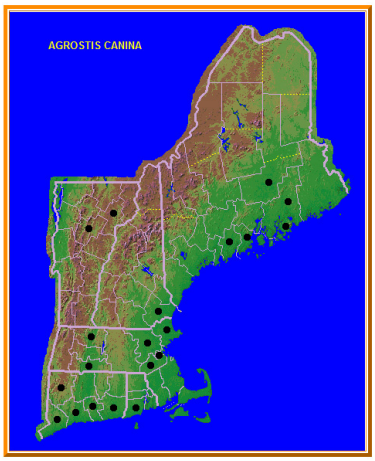
AGROPYRON (Family: Poaceae)

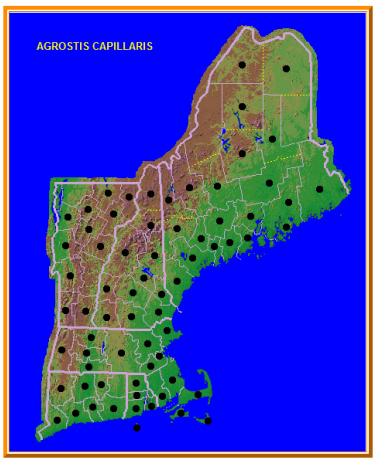
AGROPYRON CRISTATUM (Linnaeus) Gaertner subsp. ***CRISTATUM*** - **Crested Wheatgrass**. 2n = 14, (21), 28, (42).
Waste places. From Eurasia.

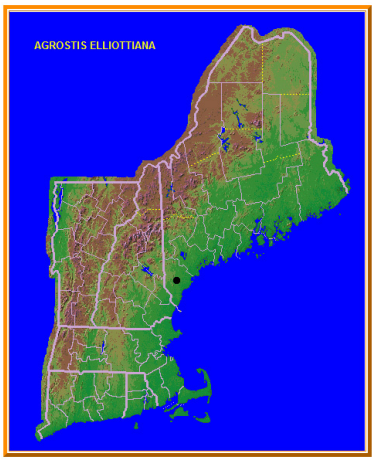
AGROPYRON DESERTORUM (Fischer *ex* Link) Schultes - . 2n = (14), 28.
Waste places. From Eurasia.

AGROSTEMMA (Family: Caryophyllaceae)

AGROSTEMMA GITHAGO Linnaeus var. ***GITHAGO*** - **Common Corn-cockle**. 2n = (24), 48.
Waste places, fields, roadsides. From Eurasia, northern Africa.





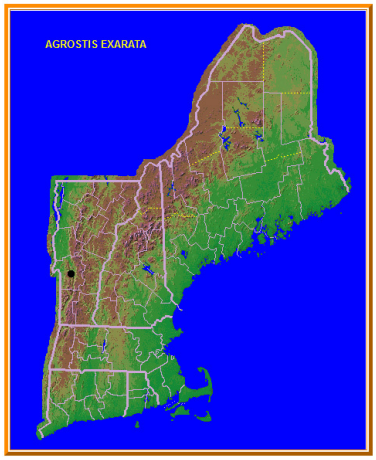


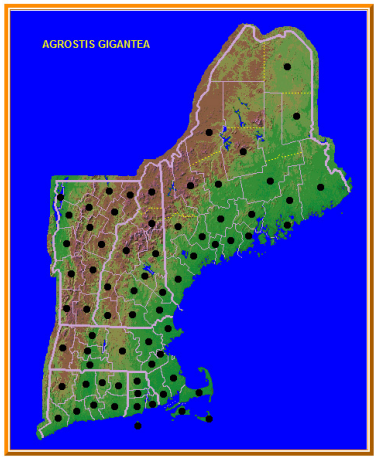
AGROSTIS (Family: Poaceae)

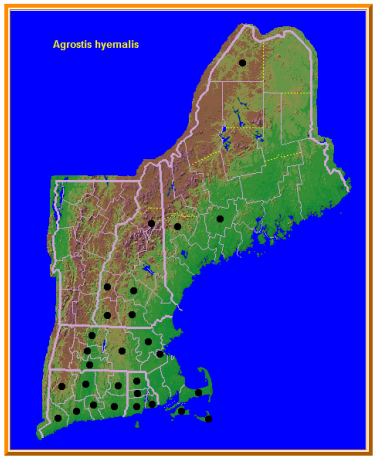
AGROSTIS CANINA Linnaeus. - **Velvet Bent**. 2n = 14, (16), 28, (35), (42), (56).
Fields, meadows, hillsides. From Europe.

AGROSTIS CAPILLARIS Linnaeus - **Rhode Island Bent**. 2n = 28, (42).
Fields, pastures, roadsides, thickets, riverbanks. From Europe. [*A. TENUIS* Sibthorp; *A. TENUIS* var. *ARISTATA* (Parnell) Druce]

AGROSTIS ELLIOTTIANA Schultes - . 2n = 28.
Fields, roadsides. From farther south.



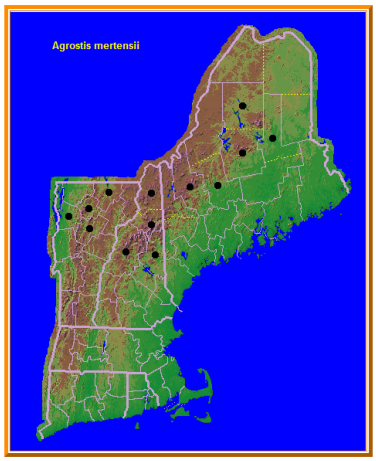


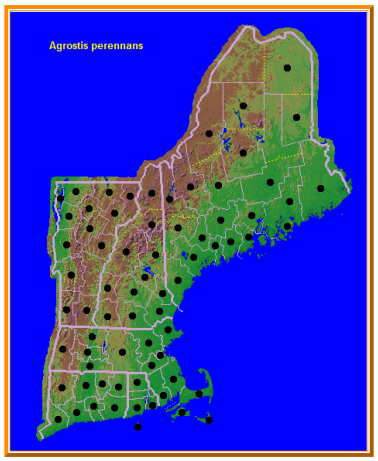


AGROSTIS EXARATA Trinius - **Spike Bent**. 2n = (28), 42, (56).
Clearings in woods along dirt roads. From western North America. [*A. EXARATA* var. *MONOLEPIS* (Torrey) Hitchcock]

AGROSTIS GIGANTEA Roth - **Redtop**. 2n = (28), (34), 42.
Riverbanks, meadows, fields, shores, moist places. From Europe. [*A. ALBA* - misapplied; *A. STOLONIFERA* Linnaeus var. *MAJOR* (Gaudin) Farwell]

Agrostis hyemalis (Walter) Britton, Sterns & Poggenburg - **Ticklegrass**. 2n = 14, 28, 42.
Dry fields, open woods.

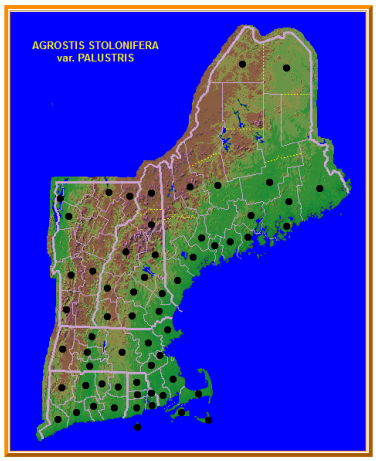


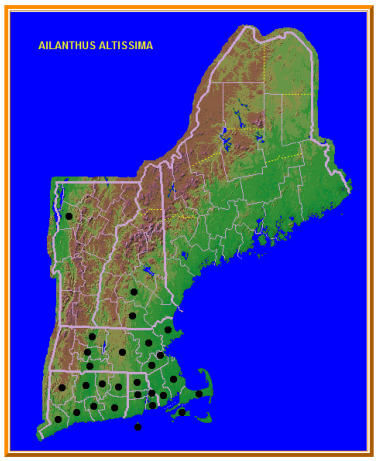


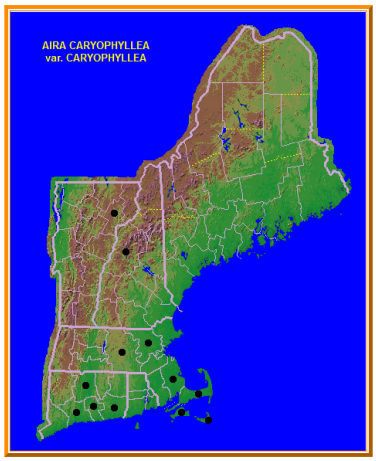
Agrostis mertensii Trinius - . 2n = (41), (42), (49), (50), (55), 56.
Mountain ledges. [*A. borealis* Hartman var. *borealis*; *A. borealis* var. *americana* (Scribner) Fernald]

Agrostis perennans (Walter) Tuckerman - **Autumn Bent**. 2n = 28, 42.
Open woods, thickets, dryish open soil. [*A. perennans* var. *aestivalis* Vasey; *A. perennans* var. *elata* (Pursh) Hitchcock; *A. altissima* (Walter) Tuckerman]

Agrostis scabra Willdenow - **Fly-away Grass**. 2n = (35), 42.
Roadsides, sterile, open soil (dry or wet). [*A. scabra* var. *geminata* (Trinius) Swallen; *A. scabra* var. *septentrionalis* Fernald; *A. geminata* Trinius; *A. hyemalis* (Walter) Britton, Sterns & Poggenburg var. *scabra* (Willdenow) H.L. Blomquist; *A. hyemalis* var. *tenuis* (Tuckerman) Gleason]







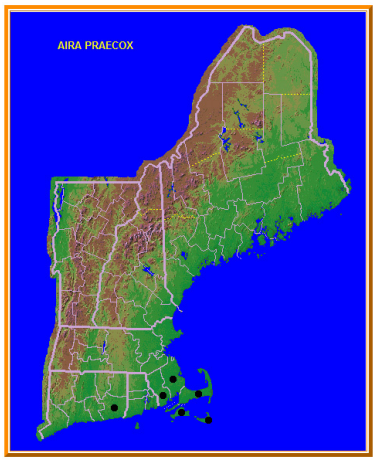
AGROSTIS STOLONIFERA Linnaeus var. ***PALUSTRIS*** (Hudson) Farwell - **Creeping Bent**. 2n = 28.
Shores, marshes, shallow water. From Europe. [*A. STOLONIFERA* var. *COMPACTA* Hartman; *A. ALBA* Linnaeus var. *PALUSTRIS* (Hudson) Persoon; *A. PALUSTRIS* Hudson]

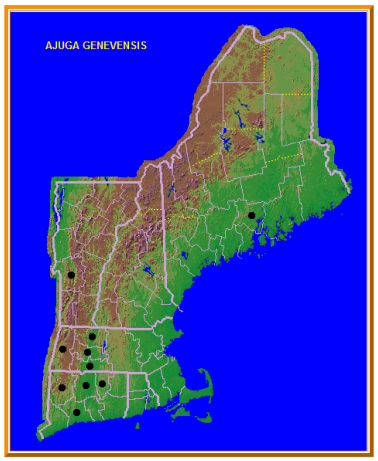
AILANTHUS (Family: Simaroubaceae)

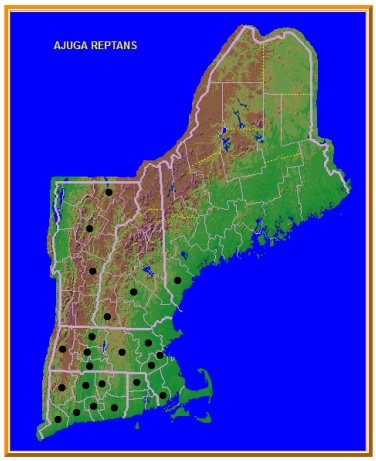
AILANTHUS ALTISSIMA (Miller) Swingle - **Tree-of-heaven**. 2n = 64, 80.
Roadsides, waste places, woodland margins, fields. From China, Taiwan.

AIRA (Family: Poaceae)

AIRA CARYOPHYLLEA Linnaeus var. ***CARYOPHYLLEA*** - **Silver Hairgrass**. 2n = 14, 28.
Dry sand, waste places. From Europe.





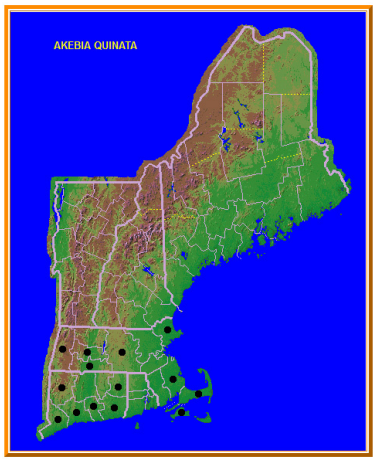


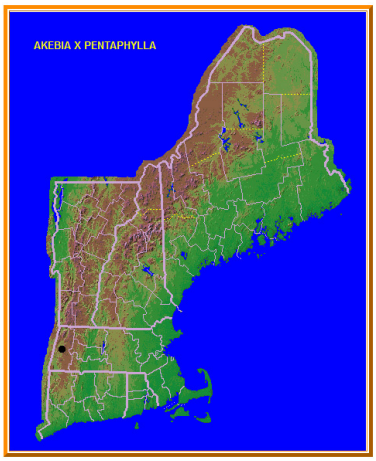
AIRA PRAECOX Linnaeus - . 2n = 14.
Sandy fields. From Europe.

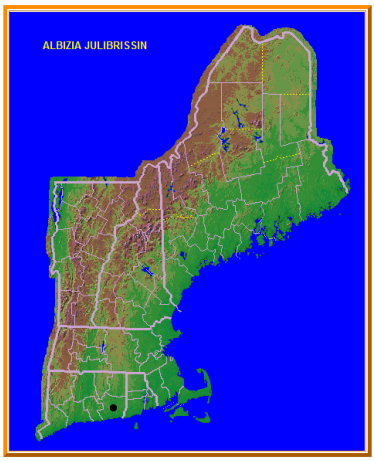
AJUGA (Family: Lamiaceae)

AJUGA GENEVENSIS Linnaeus - . 2n = 32.
Fields, waste places, roadsides, dry ledge outcrops, usually in calcareous soil. From Eurasia.

AJUGA REPTANS Linnaeus - . 2n = 32, (64).
Moist shade, roadsides, fields, wet meadows, woodland margins. From Eurasia, northwestern Africa.







AKEBIA (Family: Lardizabalaceae)

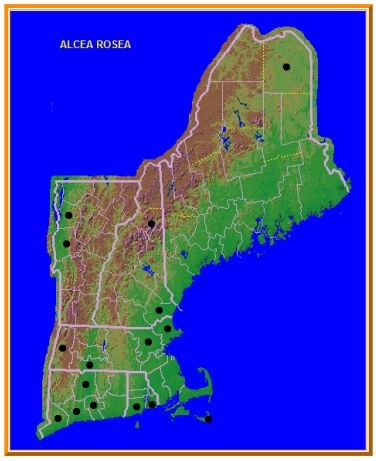
AKEBIA QUINATA (Houttuyn) Decaisne - **Chocolate Vine**. 2n = 16, 32.
Waste places, roadsides. From eastern Asia.

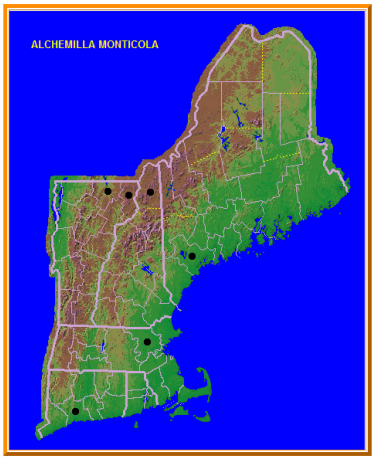
***Akebia* hybrid**

AKEBIA X ***PENTAPHYLLA*** (Makino) Makino - .
[*A. QUINATA* (Houttuyn) Decaisne X *A. TRIFOLIATA* (Thunberg) Koidzumi]

ALBIZIA (Family: Fabaceae)

ALBIZIA JULIBRISSIN Durazzini - **Silk-tree**. 2n = 26, (52).
Waste places. From Asia.





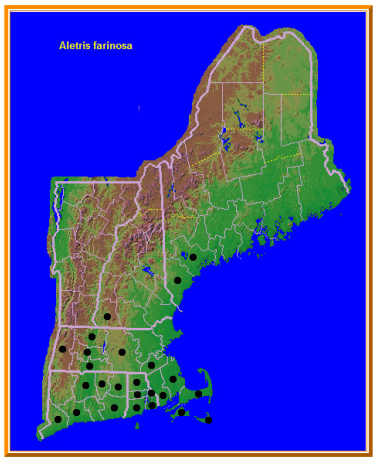
ALCEA (Family: Malvaceae)

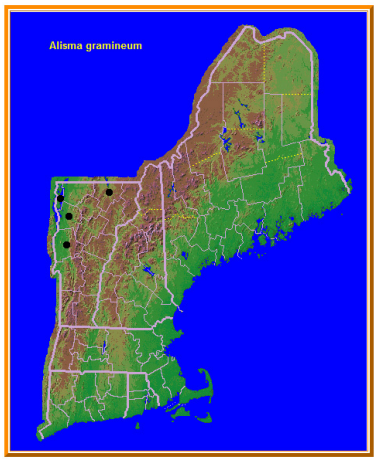
ALCEA ROSEA Linnaeus - **Hollyhock**. 2n = (26), (40), 42, (56), (84).
Waste places, roadsides, railroads, rocky beaches. From southwestern China. [*ALTHAEA ROSEA* (Linnaeus) Cavanilles]

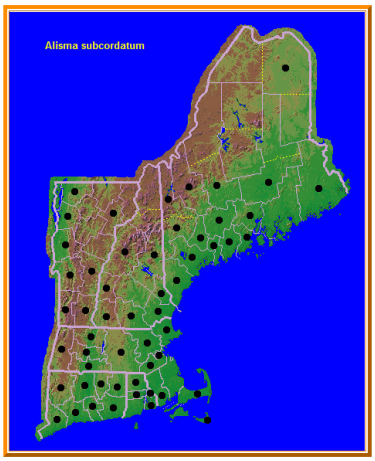
ALCHEMILLA (Family: Rosaceae)

ALCHEMILLA FILICAULIS Buser subsp. ***VESTITA*** (Buser) M.E. Bradshaw - . 2n = ca. 96.
Wool waste. From Europe. [*A. VULGARIS* Linnaeus var. *VESTITA* (Buser) Fernald & Wiegand]

ALCHEMILLA MONTICOLA Opiz - . 2n = 101-110.
Woods, fields, roadsides. From Eurasia. [*A. PRATENSIS* – misapplied; *A. VULGARIS* – misapplied]







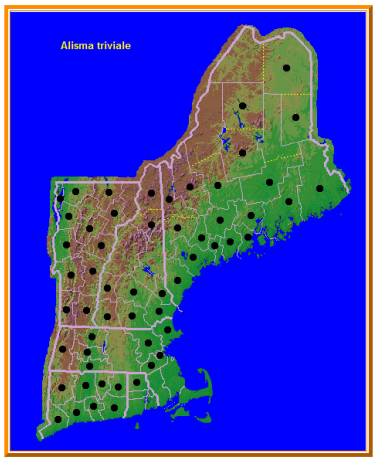
ALETRIS (Family: Nartheciaceae)

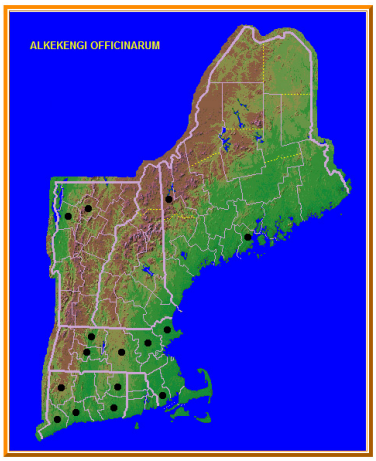
Aletris farinosa Linnaeus - **Unicorn-root**. 2n = 26.
Moist, open, sandy soil and barrens.

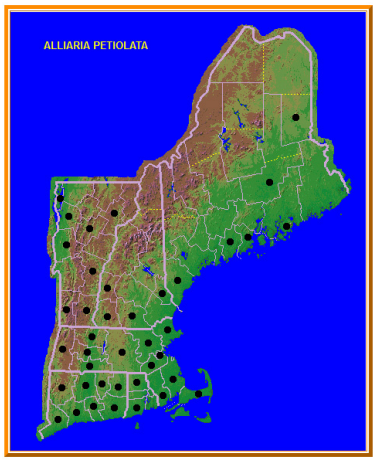
ALISMA (Family: Alismataceae)

Alisma gramineum Lejeune - . 2n = 14.
Muddy shores and shallow water of basic lakes or streams.

Alisma subcordatum Rafinesque - **Southern Water-plantain**. 2n = 14, 28.
Muddy or sandy shores, marshes, ditches, shallow water. [*A. plantago-aquatica* Linnaeus var. *parviflorum* (Pursh) Torrey - illegitimate name]







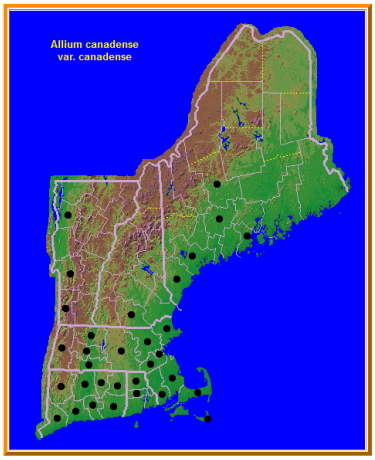
Alisma triviale Pursh - **Northern Water-plantain**. 2n = (14), 28.
Muddy shores, marshes, ditches, shallow water. [*A. plantago-aquatica* Linnaeus var. *americana* Schultes & Schultes (son)]

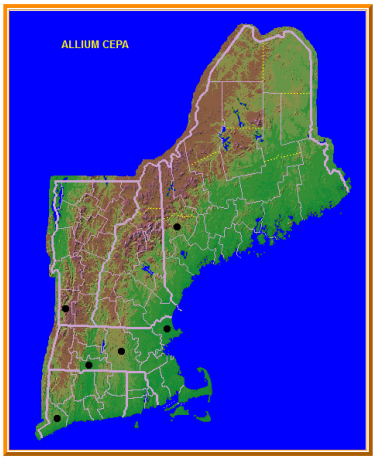
ALKEKENGI (Family: Solanaceae)

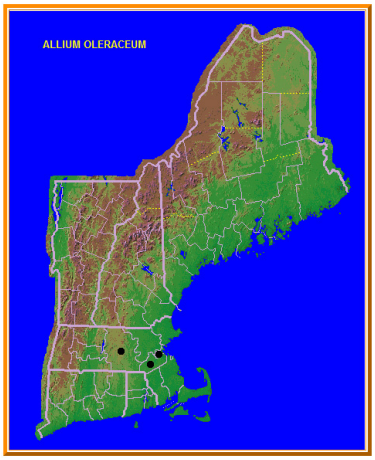
ALKEKENGI OFFICINARUM Moench - **Chinese-lantern**. 2n = 24, (48).
Waste places, roadsides, thickets, railroads. From Eurasia. [*PHYSALIS ALKEKENGI* Linnaeus]

ALLIARIA (Family: Brassicaceae)

ALLIARIA PETIOLATA (M. Bieberstein) Cavara & Grande - **Garlic Mustard**. 2n = (14), (36), 42.
Shaded roadsides, waste places, fields, thin woods. From Eurasia, northern Africa. [*A. OFFICINALIS* Andrzejowski *ex* M. Bieberstein - illegitimate name]





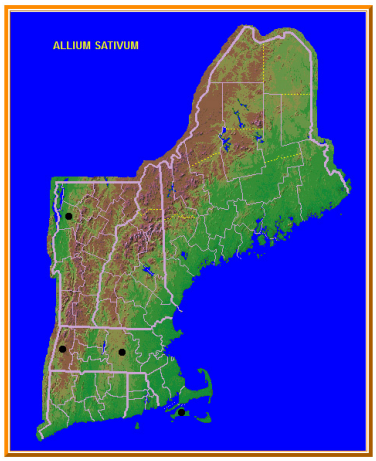


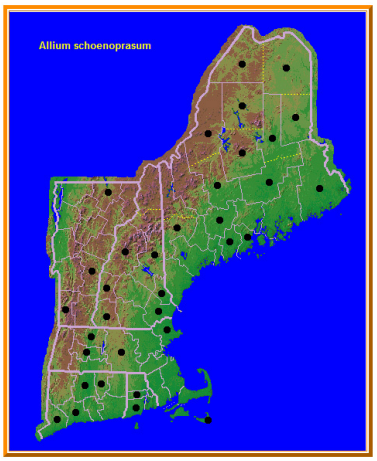
ALLIUM (Family: Amaryllidaceae)

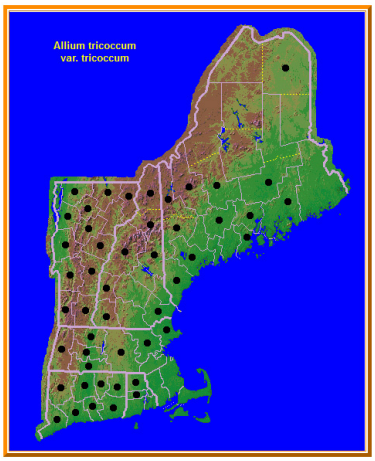
Allium canadense Linnaeus var. ***canadense*** - **Wild Garlic**. 2n = (14), (16), (21), 28, (82).
Low woods, alluvial thickets, meadows.

ALLIUM CEPA Linnaeus - **Onion**. 2n = (14), 16, (24), (28), (32).
Waste ground. From southwest Asia.

ALLIUM OLERACEUM Linnaeus - **Wild Onion**. 2n = (24), 32, 40, (48).
Wood borders, thickets, roadside banks. From Europe.



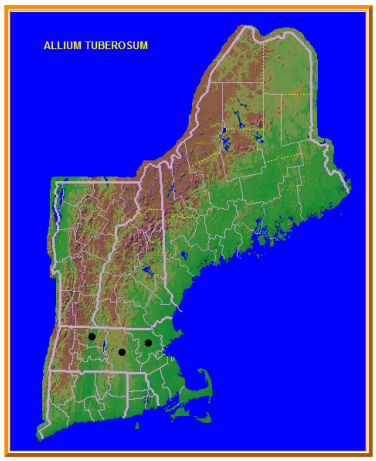


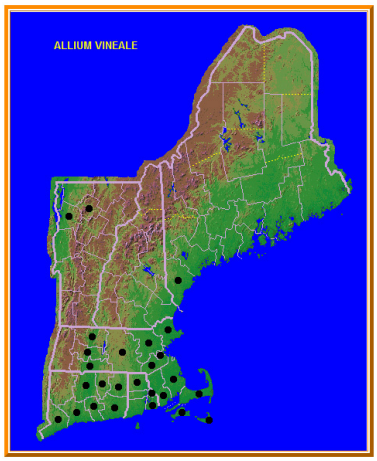


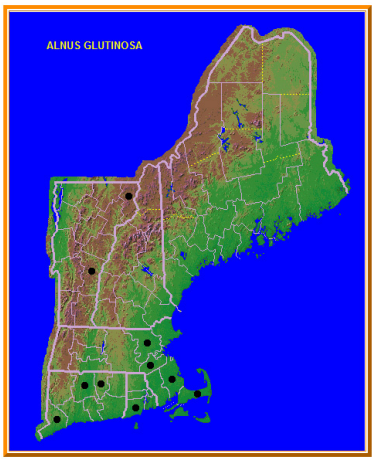
ALLIUM SATIVUM Linnaeus - **Garlic**. 2n = (12), 16, (48).
Roadsides, pastures, fields. From western Asia.

Allium schoenoprasum Linnaeus - **Chives**. 2n = 16, 16 + (1-18)B, (24), (32), (48).
Gravelly and rocky shores [*A. schoenoprasum* var. *sibiricum* (Linnaeus) Hartman]

Allium tricoccum Aiton var. ***tricoccum*** - **Wild Leek**. 2n = 16.
Rich, basic woods and bottoms.





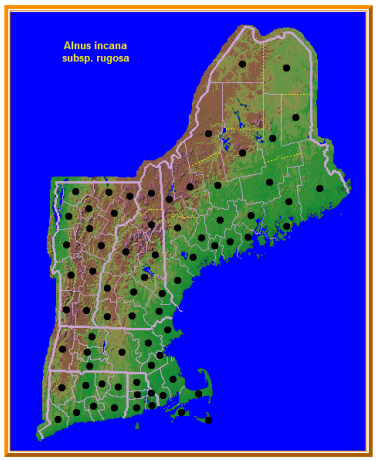


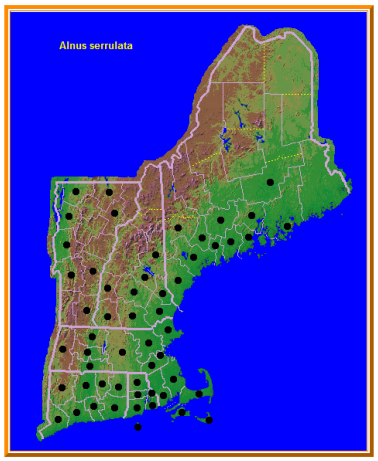
ALLIUM TUBEROSUM Rottler *ex* Sprengel - **Garlic Chives**. 2n = (16), (24), (31), 32, (33), (64).
Waste places, fields. From southeastern Asia.

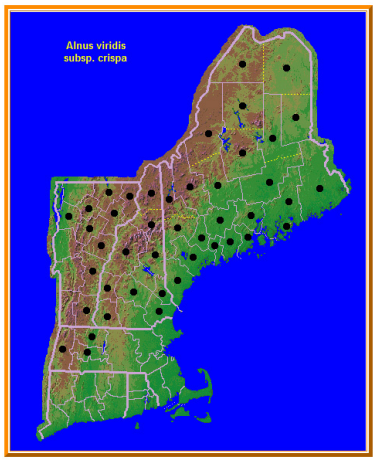
ALLIUM VINEALE Linnaeus - **Field Garlic**. 2n = (16), 32, (40), (48).
Dry grasslands, fallow fields, waste places. From Europe.

ALNUS (Family: Betulaceae)

ALNUS GLUTINOSA (Linnaeus) Gaertner - **Black Alder**. 2n = 28, (56).
Damp thickets, stream banks. From Europe.



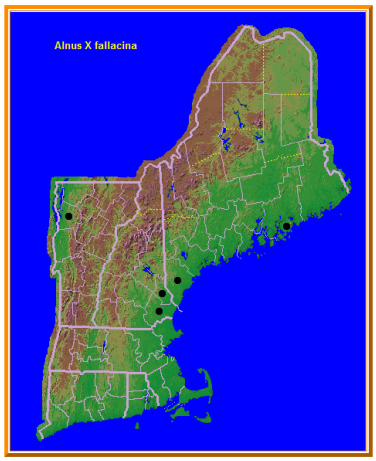


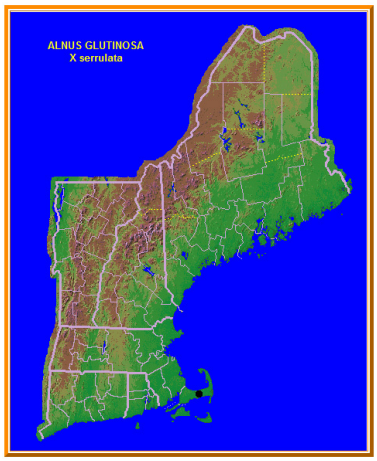


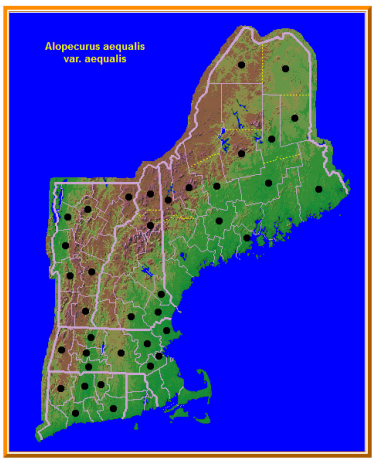
Alnus incana (Linnaeus) Moench subsp. ***rugosa*** (Du Roi) R.T. Clausen - **Speckled Alder**. 2n = 28.
Swamps, stream margins, lake shores, low grounds. [*A. rugosa* (Du Roi) Sprengel var. *americana* (Regel) Fernald]

Alnus serrulata (Aiton) Willdenow - **Smooth Alder**. 2n = 28.
Swamps, stream margins, lake shores, low grounds.

Alnus viridis (Chaix) de Candolle subsp. ***crispa*** (Aiton) Turrill - **Green Alder**. 2n = 28.
Stream banks, swamps. [*A. crispa* (Aiton) Pursh; *A. crispa* (Aiton) Pursh var. *mollis* (Fernald) Fernald]







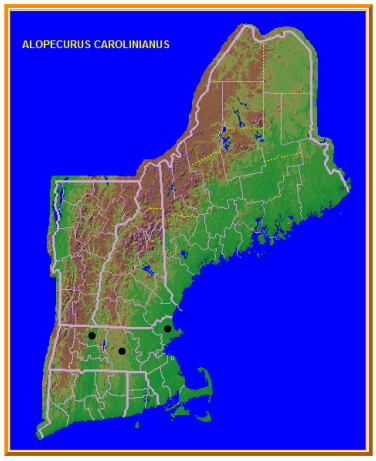
***Alnus* hybrids**

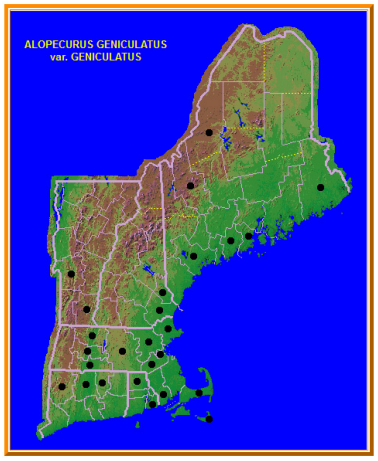
Alnus X ***fallacina*** Callier - .
[*Alnus incana* Moench subsp. *rugosa* (Du Roi) R.T. Clausen X *A. serrulata* (Aiton) Willdenow; *A. serrulata* (Aiton) Willdenow var. *subelliptica* Fernald]

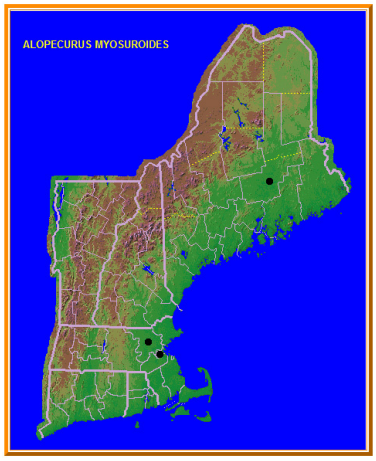
ALNUS GLUTINOSA (Linnaeus) Gaertner X ***A. serrulata*** (Aiton) Willdenow - .

ALOPECURUS (Family: Poaceae)

Alopecurus aequalis Sobolewski var. ***aequalis*** - . 2n = 14, (28).
Shallow water, shores, meadows, ditches. [*A. aequalis* var. *natans* (Wahlenberg) Fernald]



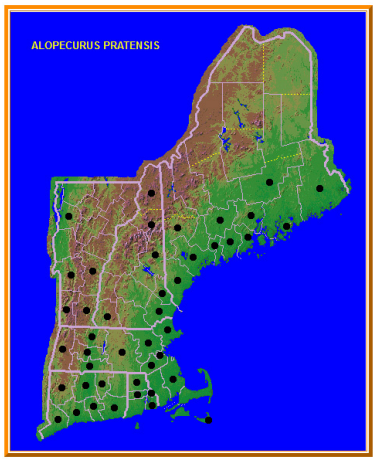


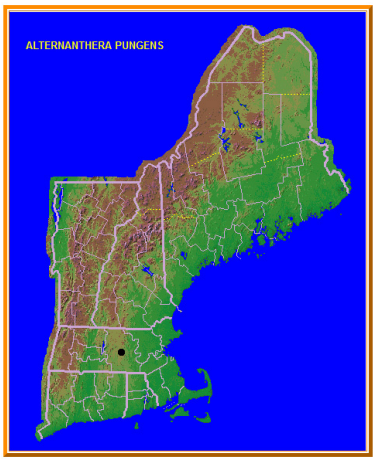


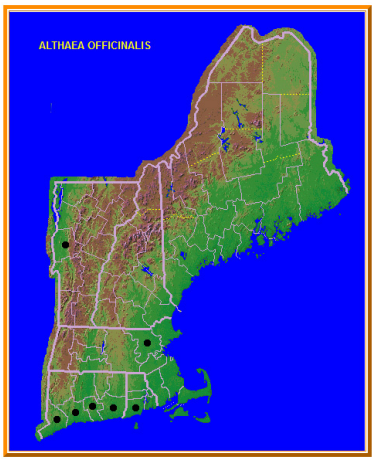
ALOPECURUS CAROLINIANUS Walter - . 2n = 14, 28.
Fields. From farther west and south.

ALOPECURUS GENICULATUS Linnaeus var. ***GENICULATUS*** - **Marsh Foxtail**. 2n = (14), 28.
Wet roadsides, ditches, shallow water. From Eurasia.

ALOPECURUS MYOSUROIDES Hudson - **Slender Foxtail**. 2n = 14, (28).
Fields, waste places. From Europe.







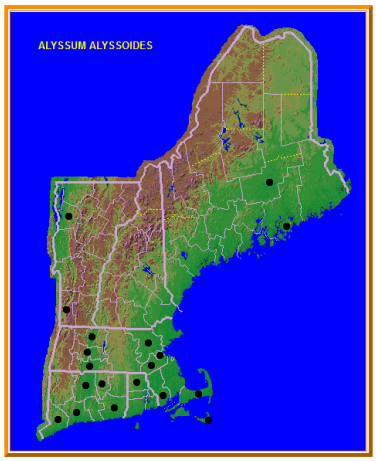
ALOPECURUS PRATENSIS Linnaeus - **Meadow Foxtail**. 2n = 28.
Fields, meadows, roadsides. From Eurasia.

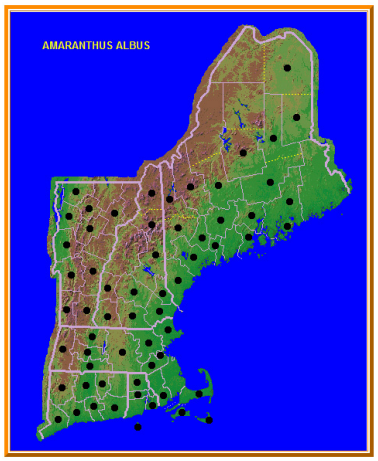
ALTERNANTHERA (Family: Amaranthaceae)

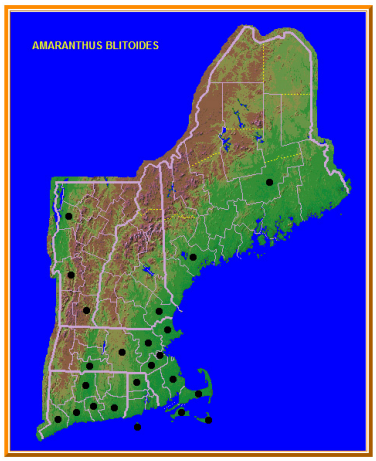
ALTERNANTHERA PUNGENS Kunth - **Khakiweed**. 2n = 64, 68
Waste places. From West Indies, South America.

ALTHAEA (Family: Malvaceae)

ALTHAEA OFFICINALIS Linnaeus - **Marsh-mallow**. 2n = (40), 42.
Salt or brackish marsh margins, waste places. From Eurasia, northern Africa.







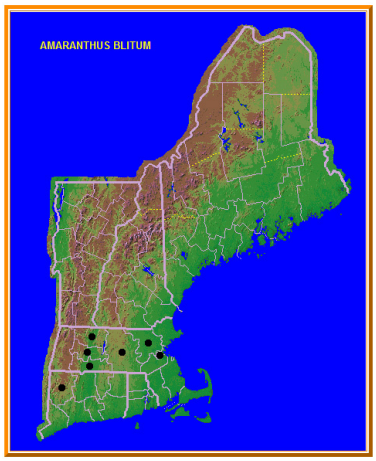
ALYSSUM (Family: Brassicaceae)

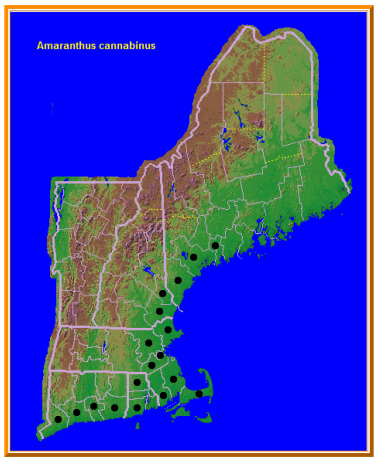
ALYSSUM ALYSSOIDES (Linnaeus) Linnaeus - **Pale Madwort**. 2n = (16), (24), 32.
Dry fields, roadsides, waste places. From Eurasia, northern Africa.

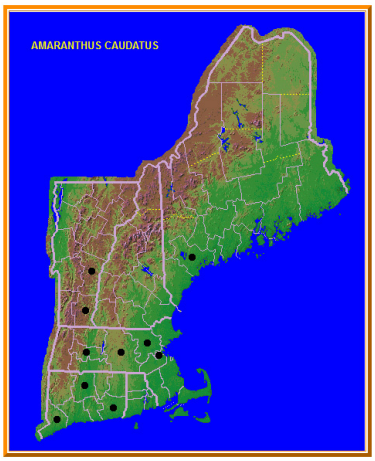
AMARANTHUS (Family: Amaranthaceae)

AMARANTHUS ALBUS Linnaeus - **Tumbleweed**. 2n = 32, (34).
Waste places, disturbed ground, roadsides. From tropical America. [*A. GRAECIZANS* - misapplied]

AMARANTHUS BLITOIDES S. Watson - **Matweed**. 2n = 32.
Waste places, disturbed ground, roadsides. From farther west. [*A. GRAECIZANS* - misapplied]



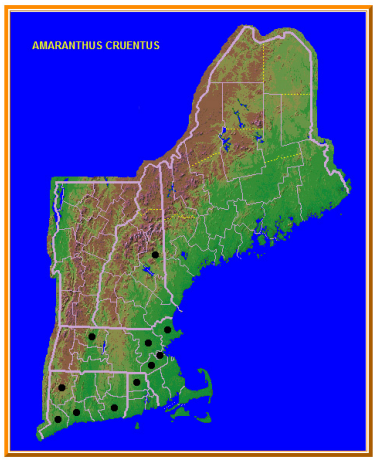


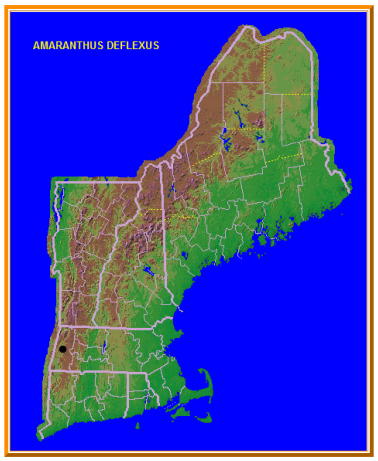


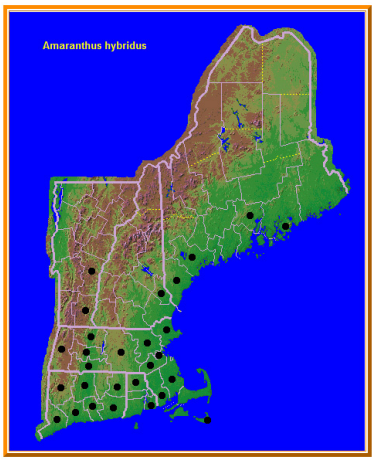
AMARANTHUS BLITUM Linnaeus - **Purple Amaranth**. 2n = 34.
Waste places. From tropical America, Eurasia, Africa. [*A. ASCENDENS* Loiseleur; *A. LIVIDUS* Linnaeus]

Amaranthus cannabinus (Linnaeus) J.D. Sauer - **Saltmarsh Hemp**. 2n = ?
Tidal shores of rivers, salt marshes. [*Acnida cannabina* Linnaeus]

AMARANTHUS CAUDATUS Linnaeus - **Love-lies-bleeding**. 2n = 32, (34), (64).
Waste places. From tropical America.



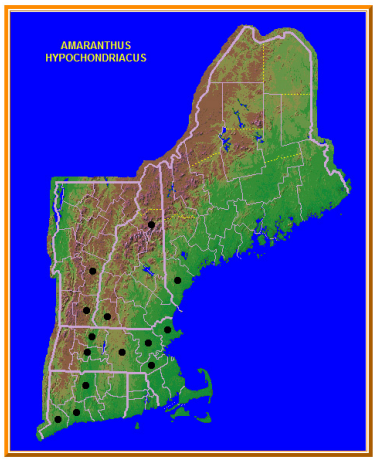


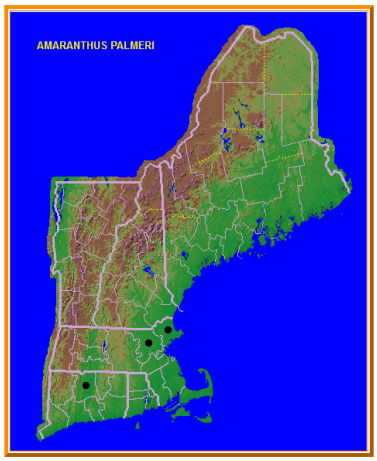


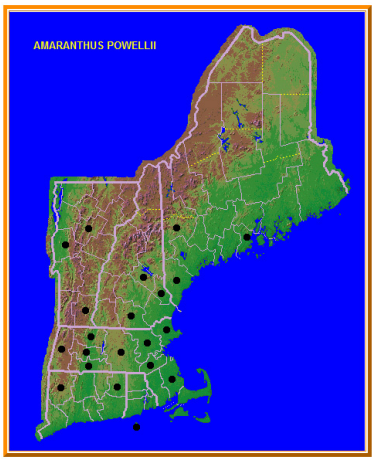
AMARANTHUS CRUENTUS Linnaeus - **Blood Amaranth**. 2n = (30), 32, 34.
Waste places, roadsides. From Central America.

AMARANTHUS DEFLEXUS Linnaeus - **Argentina Amaranth**. 2n = 34.
Waste places. From South America.

Amaranthus hybridus Linnaeus - **Smooth Amaranth**. 2n = (17), 32, (33), (34).
Waste places, fallow fields, roadsides, disturbed ground.



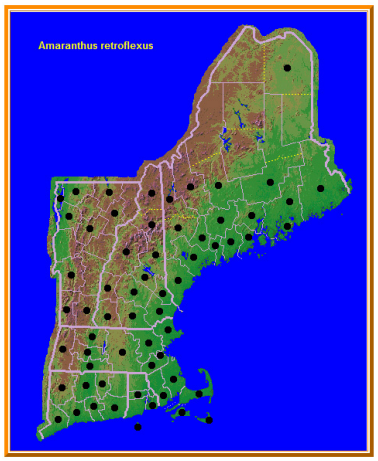


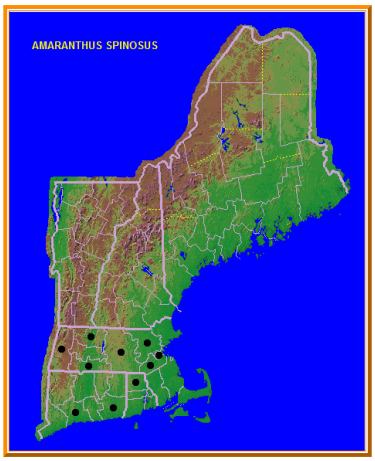


AMARANTHUS HYPOCHONDRIACUS Linnaeus - **Prince's-feather**. 2n = (16), 32, (34), (64).
Near cultivated places. From cultivation in southwestern North America.

AMARANTHUS PALMERI S. Watson - **Palmer's Amaranth**. 2n = 34.
Waste places near woolen mills, railroads. From farther southwest.

AMARANTHUS POWELLII S. Watson - **Powell's Amaranth**. 2n = (32), 34.
Waste places. From farther west.

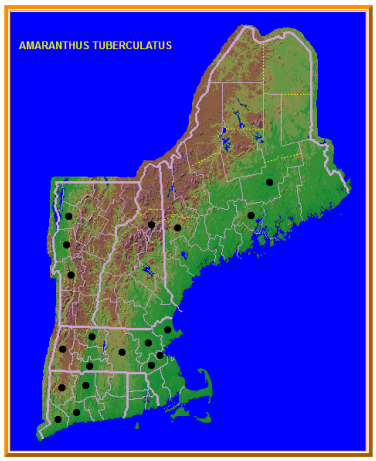


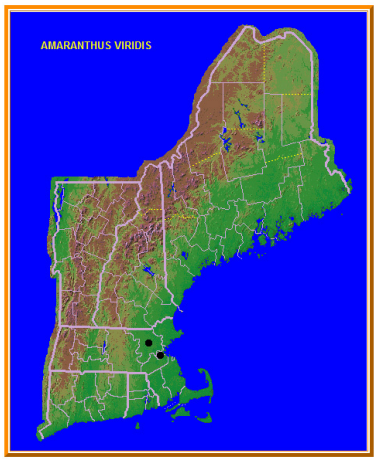


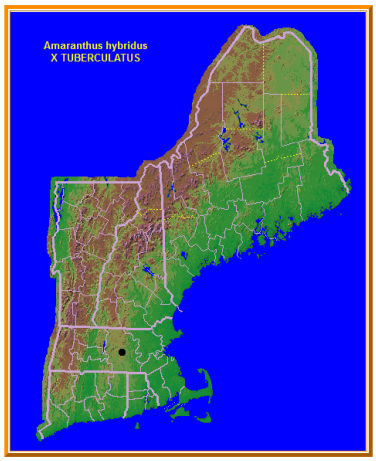
Amaranthus pumilus Rafinesque - **Sea-beach Amaranth**. 2n = ?
Sea beaches, mostly on foredunes at high tide level.

Amaranthus retroflexus Linnaeus - **Redroot**. 2n = (32), 34.
Roadsides, waste places, disturbed ground.

AMARANTHUS SPINOSUS Linnaeus - **Thorny Amaranth**. 2n = 34.
Waste places. From tropical America.





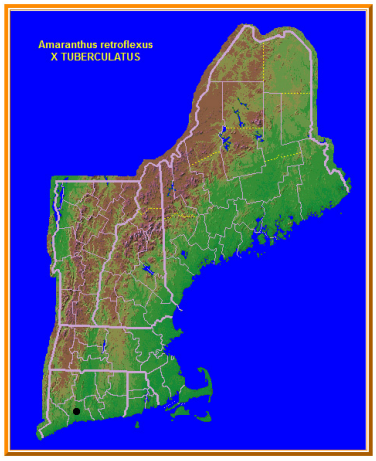


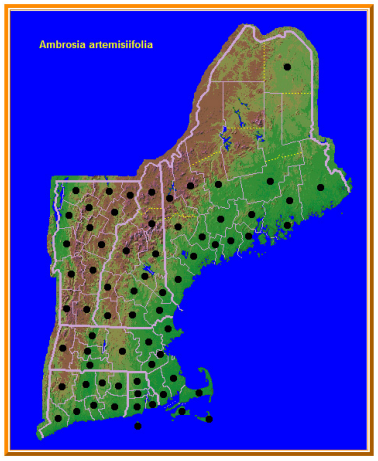
AMARANTHUS TUBERCULATUS (Moquin-Tandon *ex* de Candolle) J.D. Sauer - **Tall Water-hemp**. 2n = 32.
Waste places. From farther west. [*A. TUBERCULATUS* var. *PROSTRATUS* (Uline & W.L. Bray) F. Seymour; *A. TUBERCULATUS* var. *SUBNUDUS* (S. Watson) Mohlenbrock; *A. RUDIS* J.D. Sauer; *ACNIDA ALTISSIMA* Riddell *ex* Moquin-Tandon - illegitimate name; *A. ALTISSIMA* var. *PROSTRATA* (Uline & W.L. Bray) Fernald]

AMARANTHUS VIRIDIS Linnaeus - **Green Amaranth**. 2n = 34.
Waste places. From South America. [*A. GRACILIS* Desfontaines *ex* Poiret]

***Amaranthus* hybrids**

Amaranthus hybridus Linnaeus X ***A. TUBERCULATUS*** (Moquin-Tandon) J.D. Sauer - .



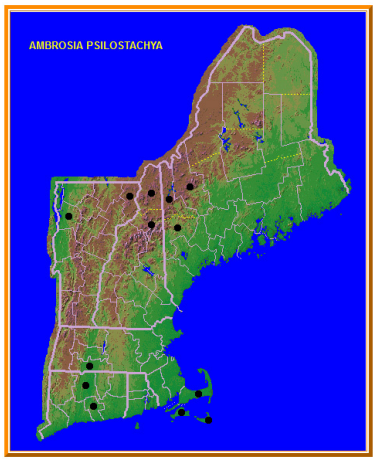


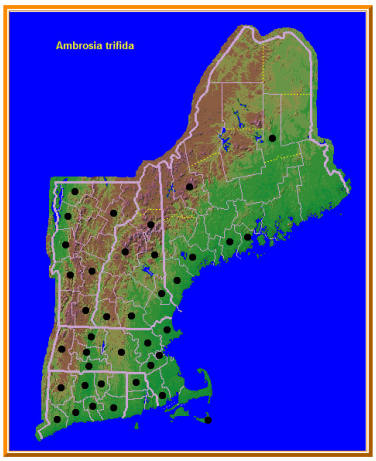
Amaranthus retroflexus Linnaeus X ***A. TUBERCULATUS*** (Moquin-Tandon) J.D. Sauer - .

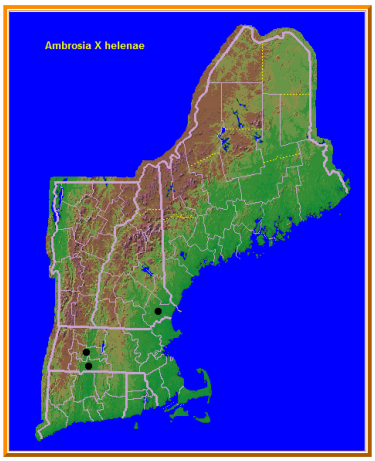
AMBROSIA (Family: Asteraceae)

Ambrosia artemisiifolia Linnaeus - **Common Ragweed**. 2n = (28), (34), 36.
Waste areas, roadsides, fields. [*A. artemisiifolia* var. *elatior* (Linnaeus) Descourtilz; *A. artemisiifolia* var. *paniculata* (Michaux) Blankinship]

Ambrosia bidentata Michaux - **Southern Ragweed**. 2n = 34.
Waste ground.





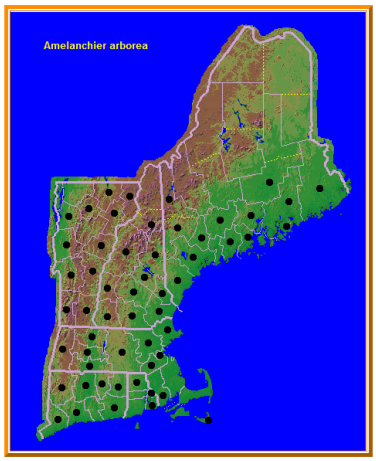


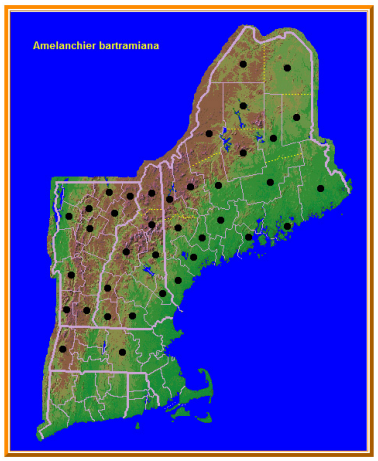
AMBROSIA PSILOSTACHYA de Candolle - **Western Ragweed**. 2n = (36), (54), 72, (108), (144).
Railroads, waste places, dry fields. From farther west. [*A. PSILOSTACHYA* var. *CORONOPIFOLIA* (Torrey & A. Gray) Farwell]

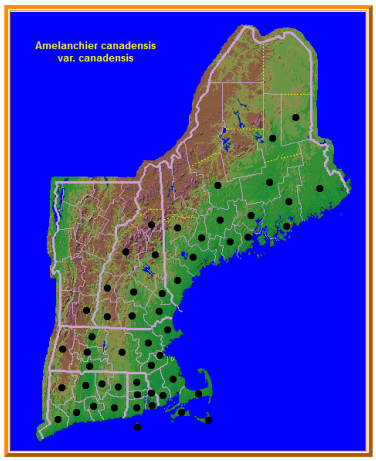
Ambrosia trifida Linnaeus - **Great Ragweed**. 2n = 24, (30).
Waste places, railroads, rich, damp soil. [*A. trifida* var. *texana* Scheele]

***Ambrosia* hybrid**

Ambrosia X ***helenae*** Rouleau - .
[*A. artemisiifolia* Linnaeus X *A. trifida* Linnaeus]





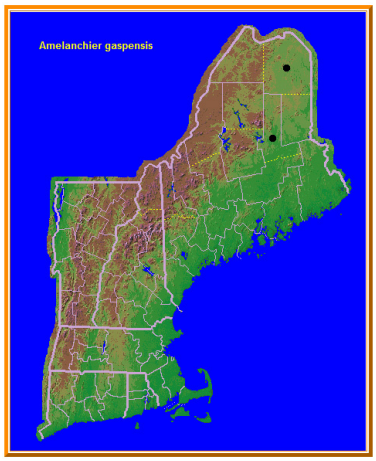


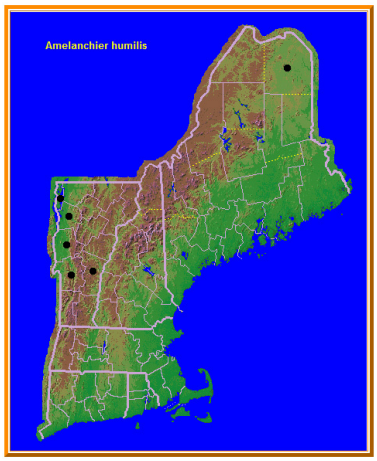
AMELANCHIER (Family: Rosaceae)

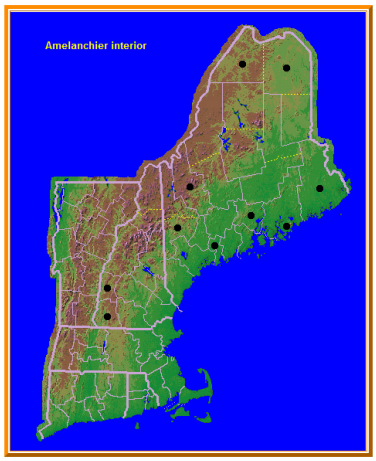
Amelanchier arborea (F. Michaux) Fernald - **Downy Shadbush**. 2n = 34, 68.
Rocky, upland or dry, rich woods, thickets.

Amelanchier bartramiana (Tausch) M. Roemer - **Mountain Shadbush**. 2n = 32, 50, 68.
Cold swamps, bogs, moist thickets, cool woods, bushy slopes, mountain summits.

Amelanchier canadensis (Linnaeus) Medikus var. ***canadensis*** - **Eastern Shadbush**. 2n = 34, 68.
Woods, moist thickets, swamps, marsh borders. [*A. oblongifolia* (Torrey & A. Gray) M. Roemer var. *oblongifolia*]



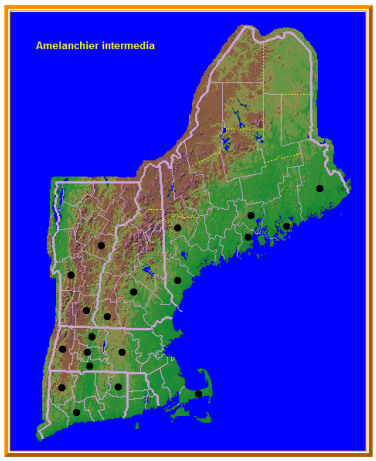


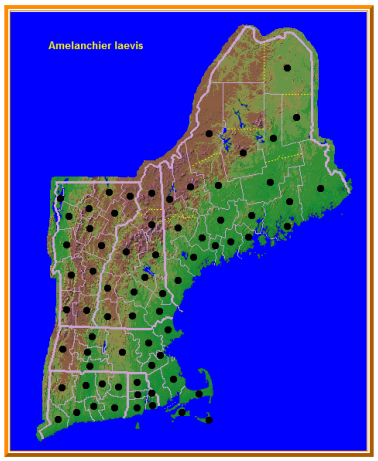


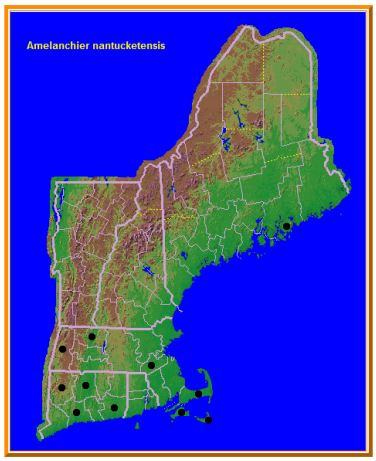
Amelanchier gaspensis (Wiegand) Fernald & Weatherby - . 2n = 68.
River shores and their outcrops.

Amelanchier humilis Wiegand - . 2n = 34, 68.
Calcareous ledges.

Amelanchier interior E.L. Nielsen - . 2n = 72.
Rocky slopes, stream banks, sandy areas. [*A. wiegandii* E.L. Nielson]



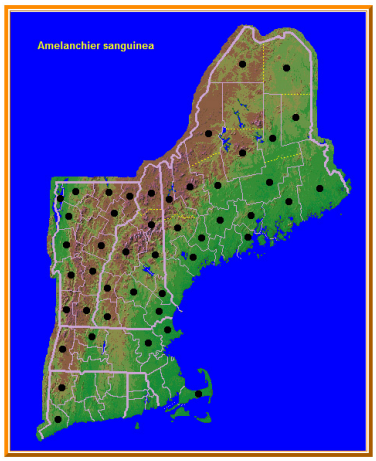


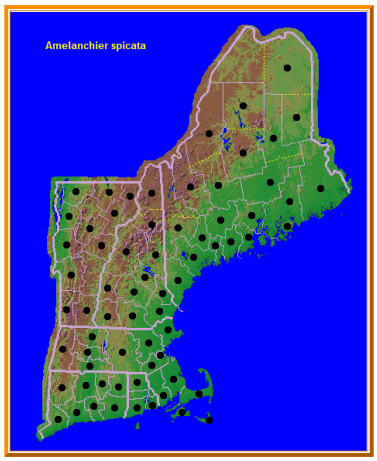


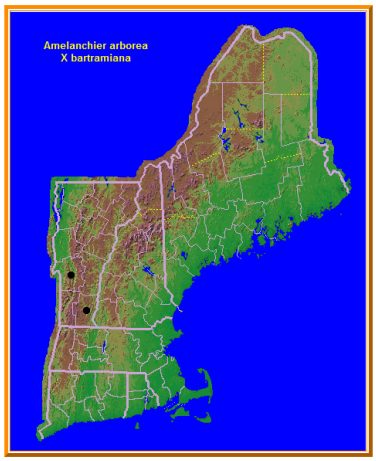
Amelanchier intermedia Spach - . 2n = 34, 56.
Swamps, bogs, thickets, shores.

Amelanchier laevis Wiegand - **Smooth Shadbush**. 2n = 30, 36, 68.
Woodland borders, damp thickets, fields, roadsides.

Amelanchier nantucketensis E.P. Bicknell - . 2n = 68.
Dry fields, sandy grasslands, heaths, pine barrens, pond and river shores among rocks or in sand. [*A. canadensis* (Linnaeus) Medikus var. *micropetala* (B.L. Robinson) Rehder; *A. oblongifolia* (Torrey & A. Gray) M. Roemer var. *micropetala* B.L. Robinson]





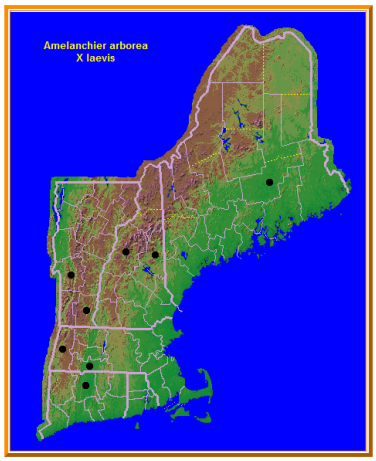


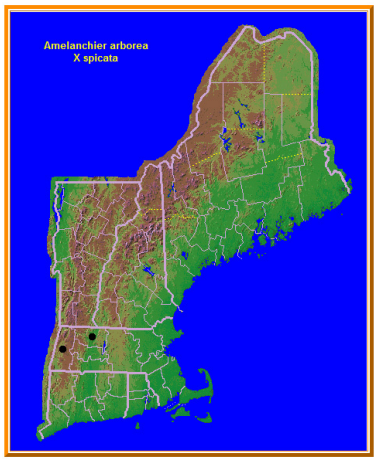
Amelanchier sanguinea (Pursh) de Candolle - **Red-twigged Shadbush**. 2n = 34, 40.
Riverbanks, ledges, woodland borders.

Amelanchier spicata (Lamarck) K. Koch - **Thicket Shadbush**. 2n = (34), (56), 68.
Rocky or sandy, open habitats, typically in acidic soil. [A. stolonifera Wiegand]

***Amelanchier* hybrids**

Amelanchier arborea (F. Michaux) Fernald X ***A. bartramiana*** (Tausch) M. Roemer - .

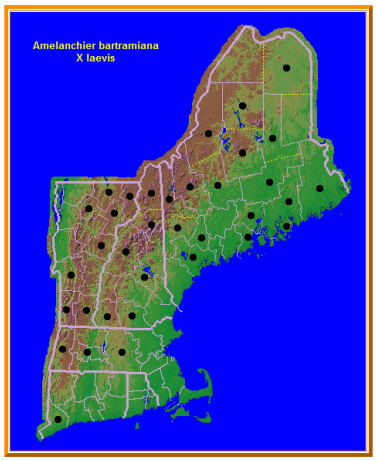


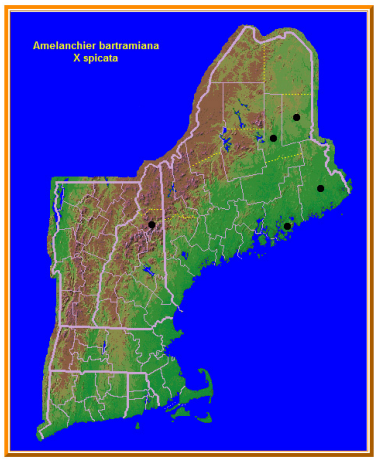


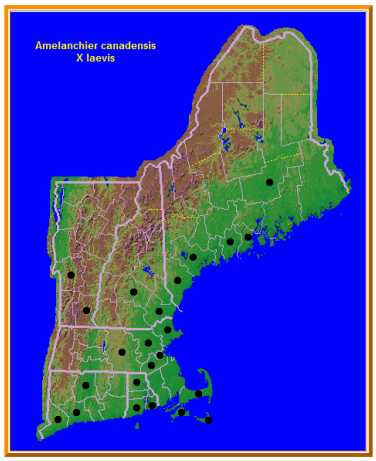
Amelanchier arborea (F. Michaux) Fernald X ***A. laevis*** Wiegand - .

Amelanchier arborea (F. Michaux) Fernald X ***A. spicata*** (Lamarck) K. Koch - .

Amelanchier bartramiana (Tausch) M. Roemer X ***A. canadensis*** (Linnaeus) Medikus - .



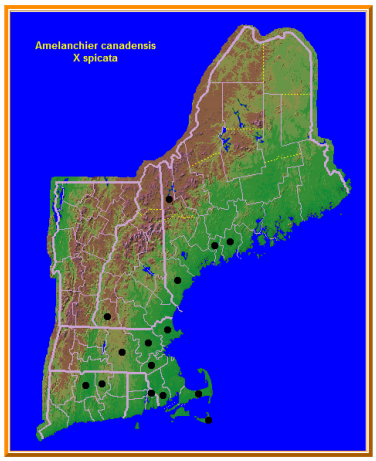


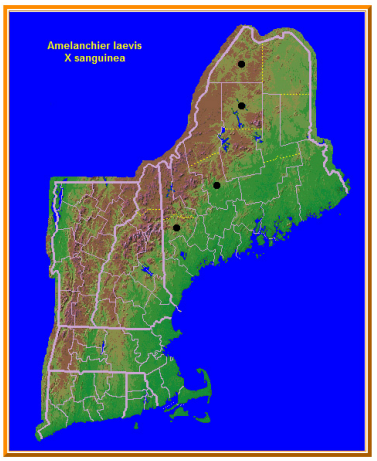


Amelanchier bartramiana (Tausch) M. Roemer X ***A. laevis*** Wiegand - .
[*A.* X *neglecta* Eggleston *ex* G.N. Jones (*pro species* - invalid name]

Amelanchier bartramiana (Tausch) M. Roemer X ***A. spicata*** (Lamarck) K. Koch - .

Amelanchier canadensis Medikus X ***A. laevis*** Wiegand - .

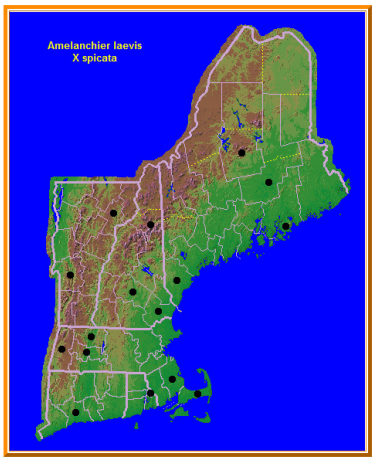


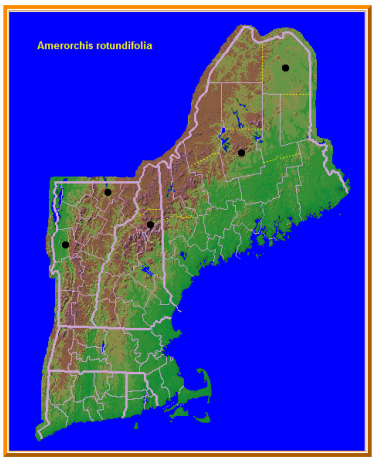


Amelanchier canadensis Medikus X ***A. spicata*** (Lamarck) K. Koch - .

Amelanchier humilis Wiegand X ***A. laevis*** Wiegand - .

Amelanchier laevis Wiegand X ***A. sanguinea*** (Pursh) de Candolle - .



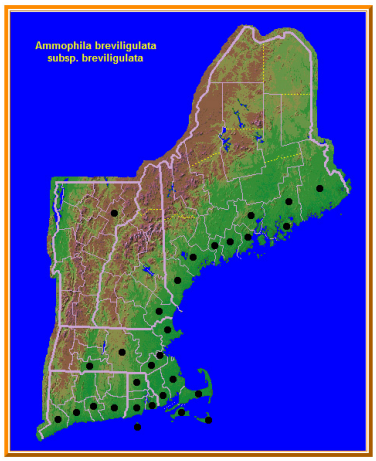


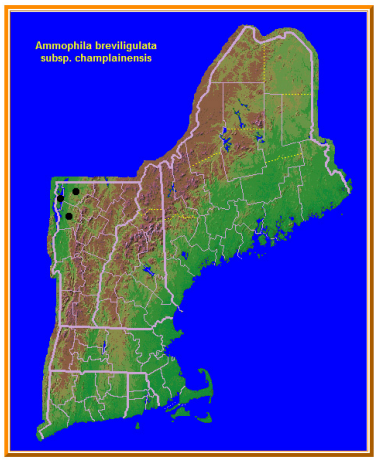
Amelanchier laevis Wiegand X ***A. spicata*** (Lamarck) K. Koch - .

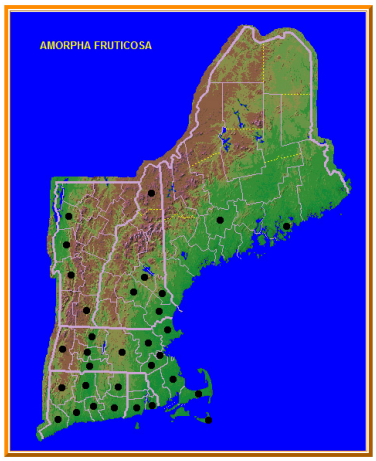
Amelanchier sanguinea (Pursh) de Candolle X ***A. spicata*** (Lamarck) K. Koch - .

AMERORCHIS (Family: Orchidaceae)

Amerorchis rotundifolia (Banks *ex* Pursh) Hultén - **Small Round-leaved Orchis**. 2n = 42.
Bogs, swamps, boggy woods, in basic soil. [*Orchis rotundifolia* Banks *ex* Pursh]







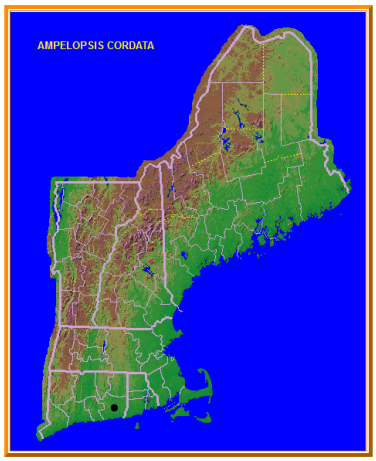
AMMOPHILA (Family: Poaceae)

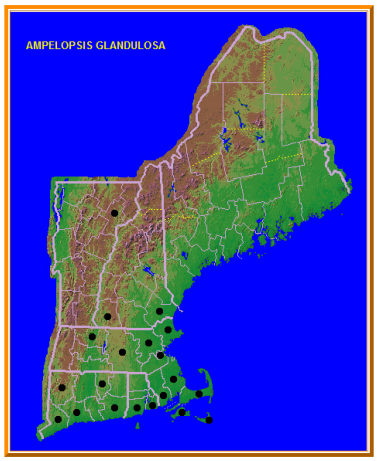
Ammophila breviligulata Fernald subsp. ***breviligulata*** - **Beachgrass**. 2n = 28.
Sand dunes. [*A. arenaria* misapplied]

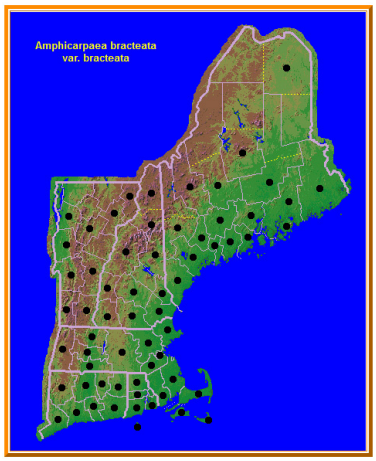
Ammophila breviligulata Fernald subsp. ***champlainensis*** (F. Seymour) P.J. Walker, C.A. Paris & Barrington *ex* Barkworth - **Champlain Beachgrass**. 2n = ?
Shores of fresh water lakes.

AMORPHA (Family: Fabaceae)

AMORPHA FRUTICOSA Linnaeus - **False Indigo**. 2n = 38, 40.
Roadsides, thickets, waste places. From farther south and west. [*A. FRUTICOSA* var. *OBLONGIFOLIA* E.J. Palmer]







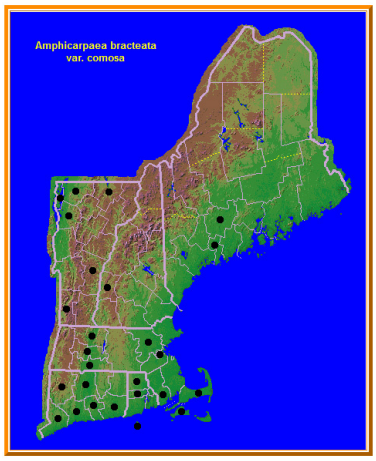
AMPELOPSIS (Family: Vitaceae)

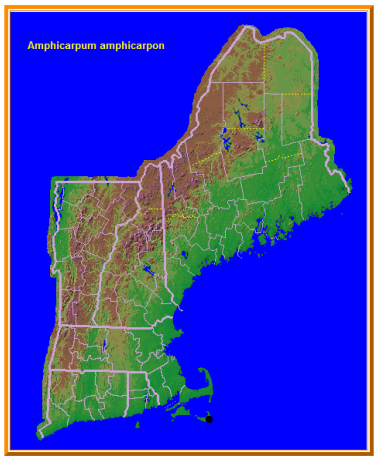
AMPELOPSIS CORDATA Michaux - **Raccoon-grape**. 2n = 40.
Roadside thickets, salt marsh margins, sandy waste places. From farther south and west.

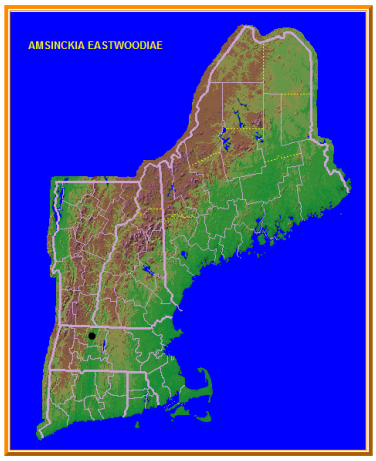
AMPELOPSIS GLANDULOSA (Wallich) Momiyama - **Porcelain-berry**. 2n = 40.
Roadsides, thickets, woodlands, waste places. From China. [*A. GLANDULOSA* var. *BREVIPEDUNCULATA* (Maximowicz) Momiyama; *A. BREVIPEDUNCULATA* (Maximowicz) Trautvetter]

AMPHICARPAEA (Family: Fabaceae)

Amphicarpaea bracteata (Linnaeus) Fernald var. ***bracteata*** - **Hog-peanut**. 2n = 20, 22, 40.
Rich woods, thickets. [*A. monoica* Nuttall - illegitimate name]







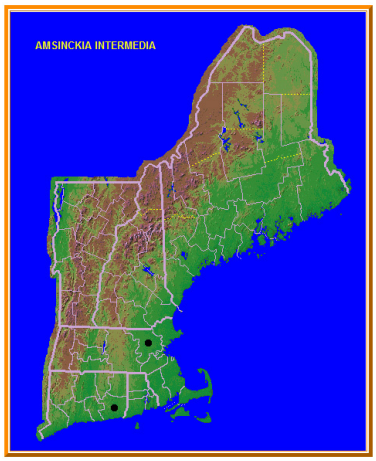
Amphicarpaea bracteata (Linnaeus) Fernald var. ***comosa*** (Linnaeus) Fernald - **Pitcher's Hog-peanut**. 2n = 22.
Rich woods, thickets.

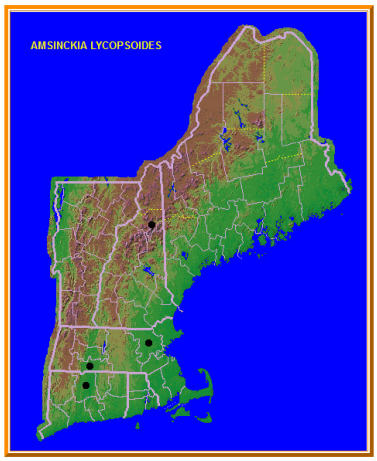
AMPHICARPUM (Family: Poaceae)

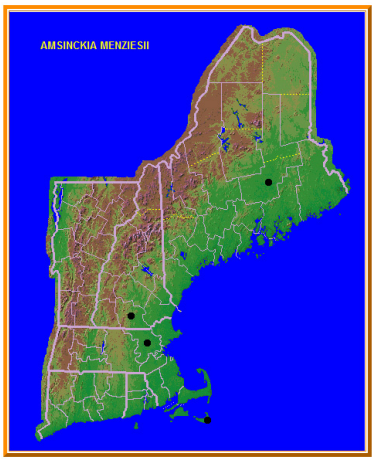
Amphicarpum amphicarpon (Pursh) Nash - . 2n = 18.
Kettlehole ponds, roadsides. [*A. purshii* Kunth]

AMSINCKIA (Family: Boraginaceae)

AMSINCKIA EASTWOODIAE J.F. Macbride - . 2n = 24.
Moist ledges. From California. [*A. INTERMEDIA* Fischer & C.A. Meyer var. *EASTWOODIAE* (J.F. Macbride) Jepson & Hoover]



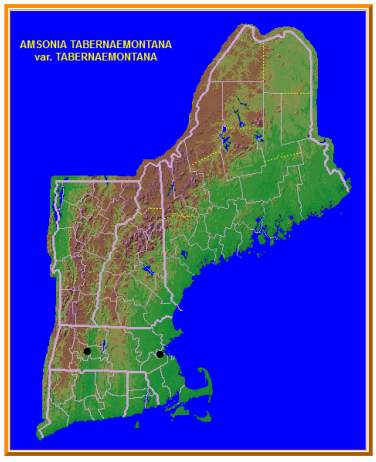


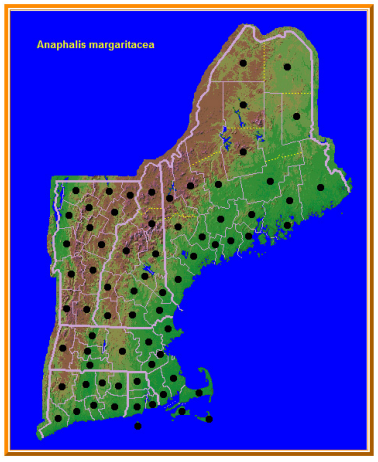


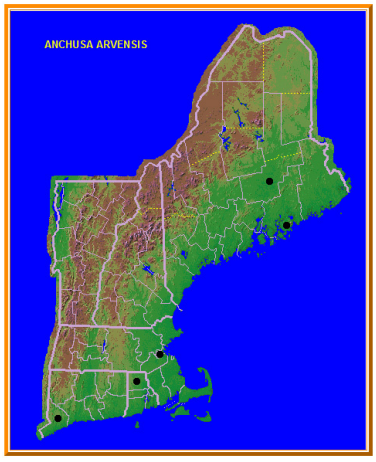
AMSINCKIA INTERMEDIA Fischer & C.A. Meyer - **Common Fiddleneck**. 2n = 15, 30, 34, 38.
Wool waste, roadsides, grassy hills. From western North America. [*A. MENZIESII* (Lehmann) A. Nelson & J.F. Macbride var. *INTERMEDIA* (Fischer & C.A. Meyer) Ganders - illegitimate name]

AMSINCKIA LYCOPSOIDES Lehmann - **Bugloss Fiddleneck**. 2n = 30.
Railroads, waste places. From western North America. [*A. BARBATA* Greene]

AMSINCKIA MENZIESII (Lehmann) A. Nelson & J.F. Macbride - **Rancher's Fiddleneck**. 2n = 34.
Wool waste, roadsides. From western North America.







AMSONIA (Family: Apocynaceae)

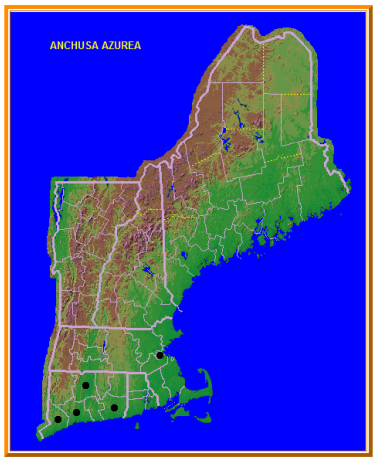
AMSONIA TABERNAEMONTANA Walter var. ***TABERNAEMONTANA*** - **Eastern Bluestar**. 2n = 22, 32.
Waste places. From farther south and west.

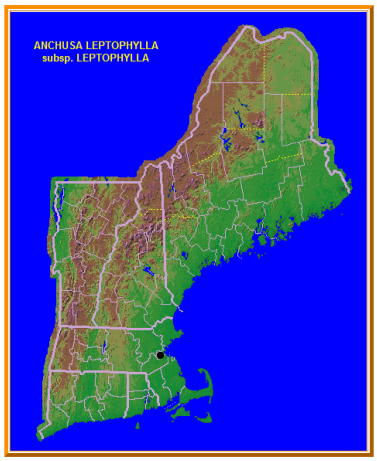
ANAPHALIS (Family: Asteraceae)

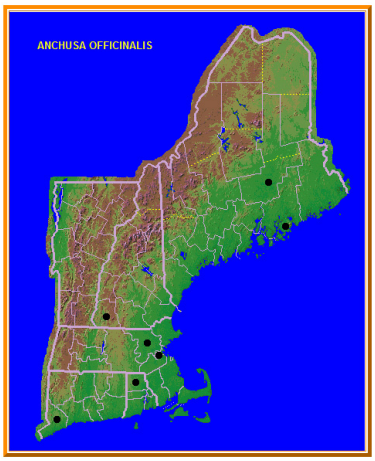
Anaphalis margaritacea (Linnaeus) Bentham & Hooker (son) - **Pearly Everlasting**. 2n = 28, (42), (56).
Dry woods, clearings, fields, roadsides. [*A. margaritacea* var. *angustior* (Miquel) Nakai; *A. margaritacea* var. *intercedens* H. Hara; *A. margaritacea* var. *subalpina* (A. Gray) A. Gray]

ANCHUSA (Family: Boraginaceae)

ANCHUSA ARVENSIS (Linnaeus) M. von Bieberstein - **Small Bugloss**. 2n = 48, (ca. 54).
Sandy fields, waste places, railroads, wool waste. From Europe. [*LYCOPSIS ARVENSIS* Linnaeus]



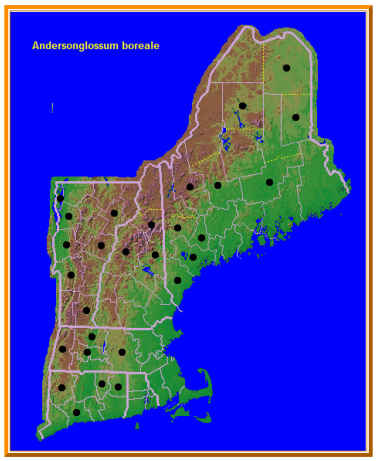


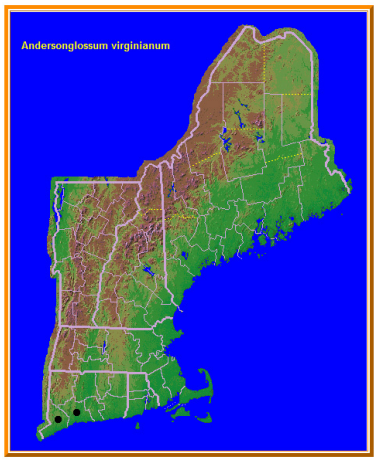


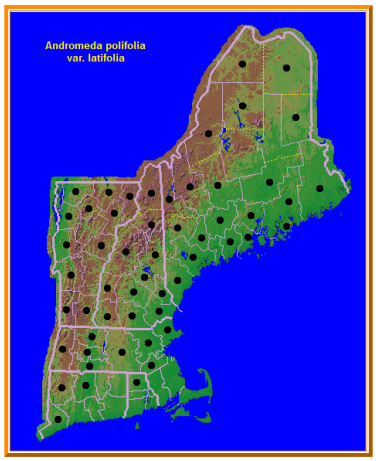
ANCHUSA AZUREA Miller - **Italian Bugloss**. 2n = 32.
Waste places, field margins, roadsides. From Eurasia, northern Africa.

ANCHUSA LEPTOPHYLLA Roemer & Schultes subsp. ***LEPTOPHYLLA*** - . 2n = 16, 32, 33.
Waste places. From Eurasia.

ANCHUSA OFFICINALIS Linnaeus - **Common Bugloss**. 2n = 16.
Waste places, roadsides. From Europe.







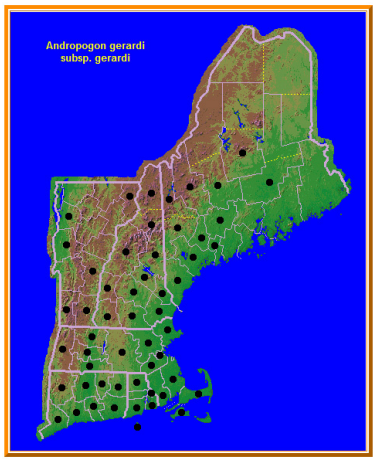
ANDERSONGLOSSUM (Family: Boraginaceae)

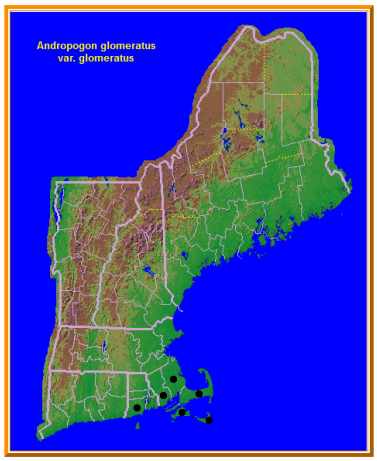
Andersonglossum boreale (Fernald) Jim. Mejias, J.I. Cohen & Naczi - **Northern Wild Comfrey**. 2n = 24.
Rich, open woodlands. [*Cynoglossum boreale* Fernald; *C. virginianum* Linnaeus var. *boreale* (Fernald) Cooperrider]

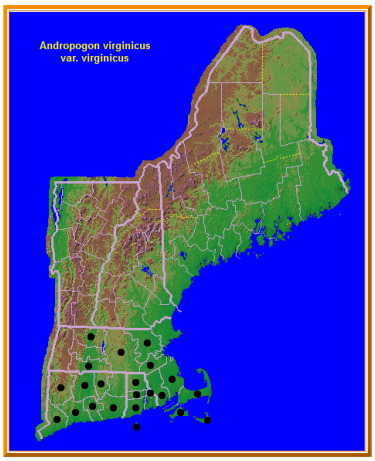
Andersonglossum virginianum (Linnaeus) J.I. Cohen - **Wild Comfrey**. 2n = ?
Open, deciduous or mixed woodlands. [*Cynoglossum virginianum* Linnaeus var. *virginianum*]

ANDROMEDA (Family: Ericaceae)

Andromeda polifolia Linnaeus var. ***latifolia*** Aiton - **Bog Rosemary**. 2n = 48.
Sphagnum bogs. [*A. polifolia* var. *glaucophylla* (Link) de Candolle; *A. glaucophylla* Link]





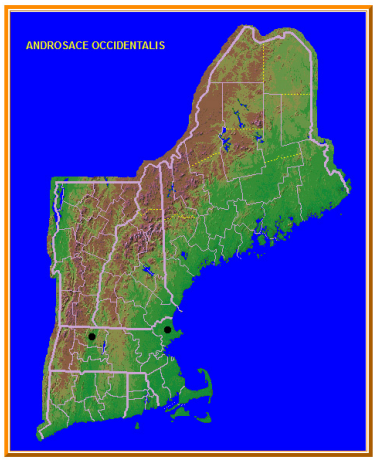


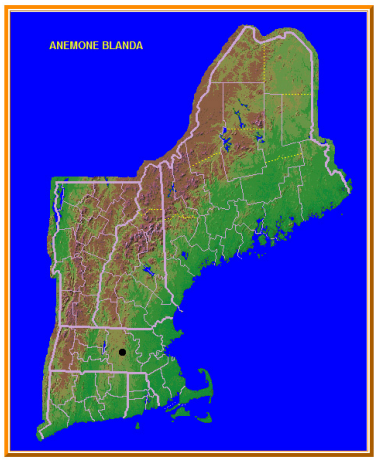
ANDROPOGON (Family: Poaceae)

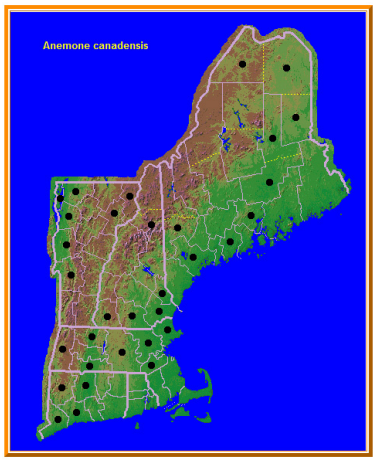
Andropogon gerardi Vitman subsp. ***gerardi*** - **Big Bluestem**. 2n = 40, 60, 68, 70, 80, 90.
Dry, open ground. [*A. gerardii* var. *chrysocomus* (Nash) Fernald]

Andropogon glomeratus (Walter) Britton, Sterns & Poggenburg var. ***glomeratus*** - **Bushy Beardgrass**. 2n = 20.
Boggy or other wet soils. [*A. virginicus* Linnaeus var. *abbreviatus* (Hackel) Fernald & Griscom]

Andropogon virginicus Linnaeus var. ***virginicus*** - **Broom-sedge**. 2n = 20.
Dry, open soil, thin woods, upper shores of ponds.







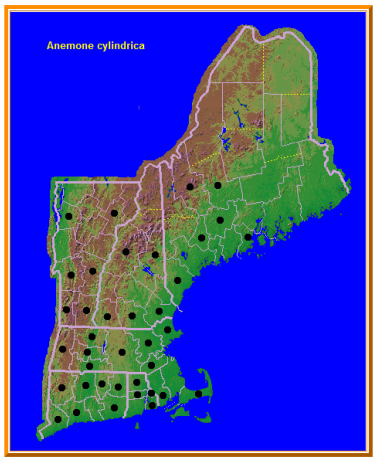
ANDROSACE (Family: Primulaceae)

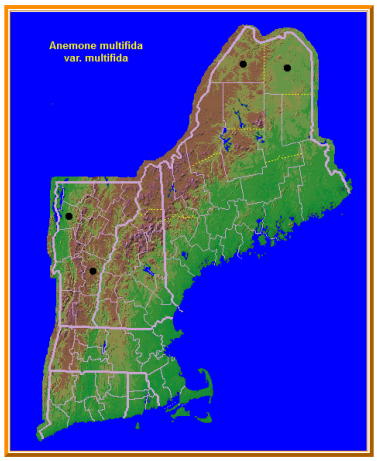
ANDROSACE OCCIDENTALIS Pursh - **Western Rock-jasmine**. 2n = 20.
Waste places. From farther west.

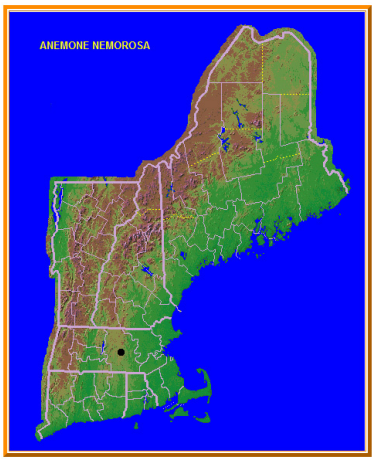
ANEMONE (Family: Ranunculaceae)

ANEMONE BLANDA Schott & Kotschy - **Grecian Windflower**. 2n = (14), 16, (32).
Disturbed woods. From Europe.

Anemone canadensis Linnaeus - **Canada Anemone**. 2n = 14.
Damp thickets, woodland margins, meadows, riverbanks, shores.



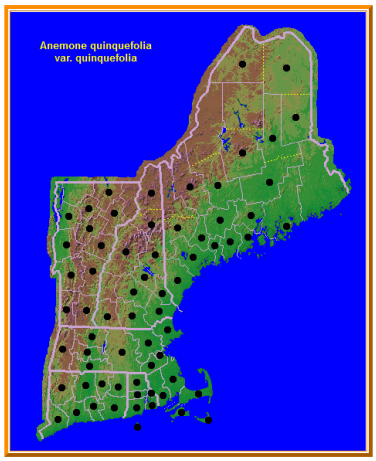


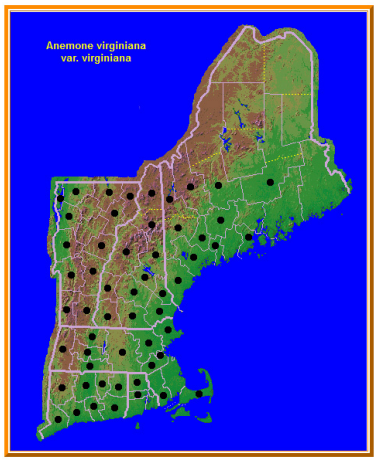


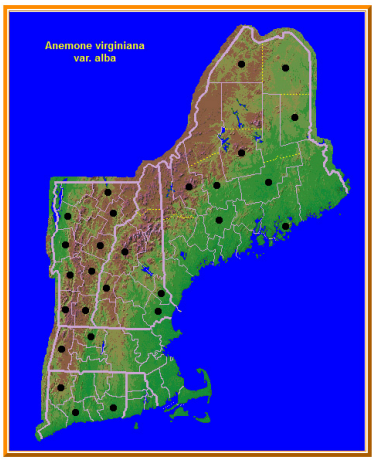
Anemone cylindrica A. Gray - **Long-headed Anemone**. 2n = 16.
Dry, open soil, roadsides.

Anemone multifida Poiret var. ***multifida*** - **Cut-leaved Anemone**. 2n = (16), 32, (64).
Calcareous ledges.

ANEMONE NEMOROSA Linnaeus - **European Wood Anemone**. 2n = (16), (24), (28), 30, (32), (37), (42), (45), (46).
Woods. From Europe.



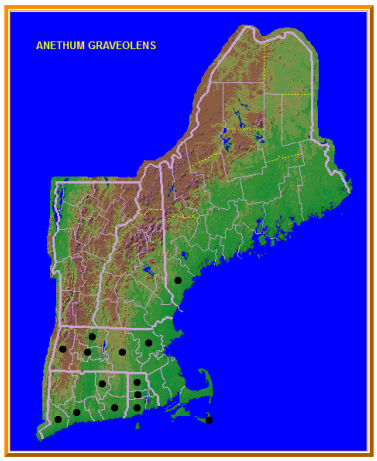


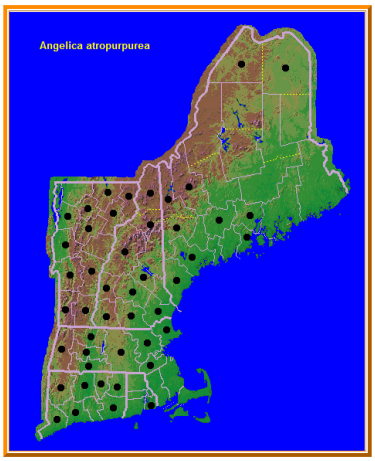


Anemone quinquefolia Linnaeus var. ***quinquefolia*** - **Wood Anemone**. 2n = 32.
Open, moist woods, woodland borders. [*A. quinquefolia* var. *bifolia* Farwell; *A. quinquefolia* var. *interior* misapplied]

Anemone virginiana Linnaeus var. ***virginiana*** - **Tall Anemone**. 2n = 16.
Dry, rocky, open woods, thickets, riverbanks.

Anemone virginiana Linnaeus var. ***alba*** (Oakes) Alph. **River Thimbleweed**. 2n = 16.
Riverbanks, shores. [*A. riparia* Fernald]





***Anemone* hybrid**

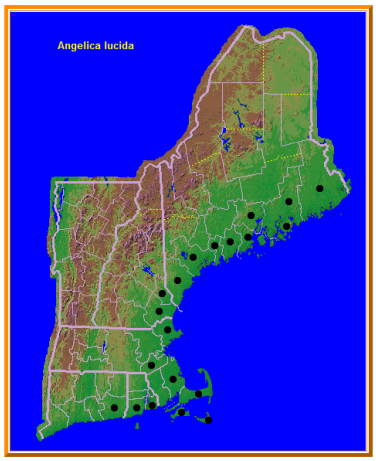
Anemone cylindrica A. Gray X ***A. virginiana*** Linnaeus var. ***virginiana*** - .

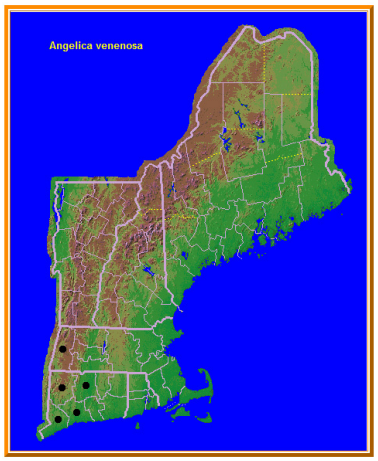
ANETHUM (Family: Apiaceae)

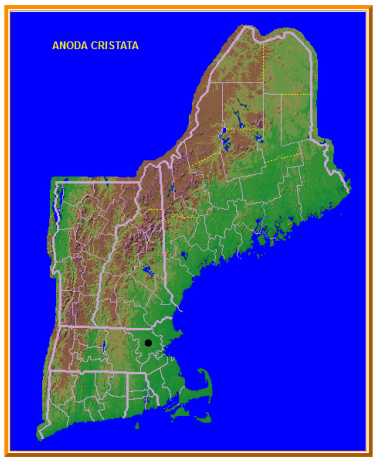
ANETHUM GRAVEOLENS Linnaeus - **Dill**. 2n = 22, (44).
Roadsides, waste places. Cultivated worldwide, probably from southern Asia.

ANGELICA (Family: Apiaceae)

Angelica atropurpurea Linnaeus - **Alexanders**. 2n = 22.
Brook and river margins, meadows, rich thickets, swamps, alluvial soil, roadside ditches.





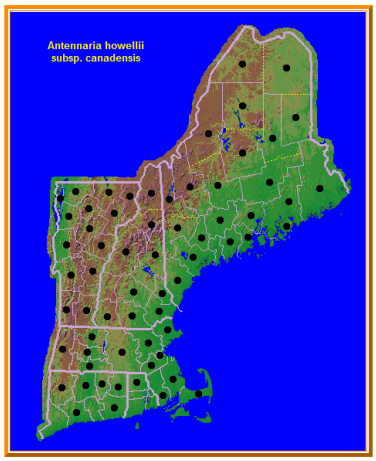


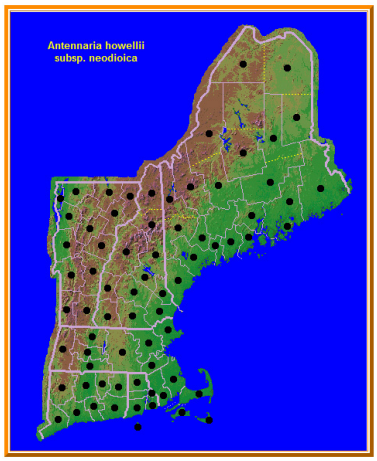
Angelica lucida Linnaeus - **Seacoast Angelica**. 2n = 22, 28.
Sea beach margins, fields by coastal beaches, rocks along coast. [*Coelopleurum lucidum* (Linnaeus) Fernald]

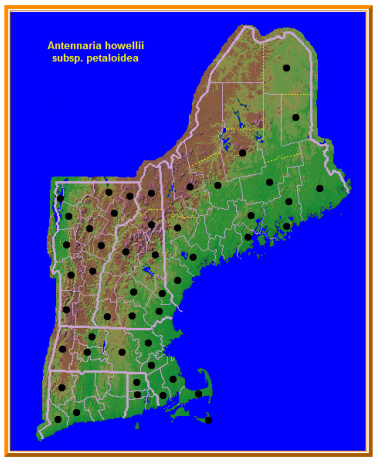
Angelica venenosa (J. Greenway) Fernald - **Hairy Angelica**. 2n = 22.
Woodlands, fields, thickets, openings, in dry soil.

ANODA (Family: Malvaceae)

ANODA CRISTATA (Linnaeus) Schlechtendal - **Violettas**. 2n = 30, 60.
Wool waste. From farther west, Mexico, Central America, South America, Caribbean.





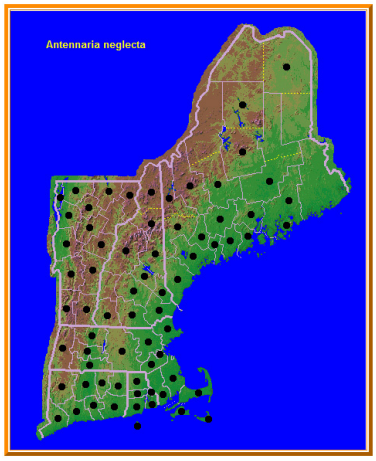


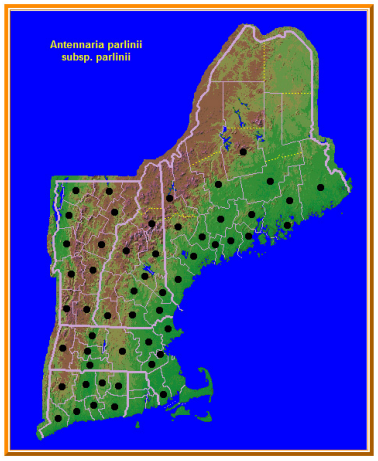
ANTENNARIA (Family: Asteraceae)

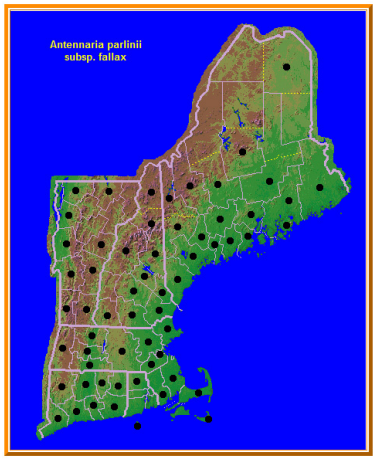
Antennaria howellii Greene subsp. ***canadensis*** (Greene) R.J. Bayer - . 2n = 56, 84, ca. 100, ca. 102.
Dry fields, open woods. [*A. canadensis* Greene]

Antennaria howellii Greene subsp. ***neodioica*** (Greene) R.J. Bayer - **Smaller Pussytoes**. 2n = ca. 52, 56, ca. 62, ca. 68, 70, 84, ca. 94, 98, 100, 112, 140.
Dry fields, open woods. [*A. neglecta* Greene var. *neodioica* (Greene) Cronquist; *A. neodioica* Greene var. *neodioica*; *A. neodioica* var. *attenuata* Fernald; A. neodioica var. *chlorophylla* Fernald; *A. neodioica* var. *grandis* Fernald; *A. rupicola* Fernald]

Antennaria howellii Greene subsp. ***petaloidea*** (Fernald) R.J. Bayer - . 2n = 56, 84, ca. 90, 98, 112.
Dry fields, open woods. [*A. neglecta* Greene var. *petaloidea* (Fernald) Cronquist; *A. petaloidea* (Fernald) Fernald var. *petaloidea*; *A. petaloidea* var. *scariosa* Fernald; *A. petaloidea* var. *subcorymbosa* (Fernald) Fernald]



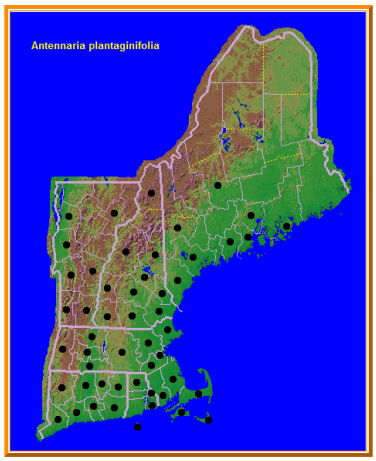


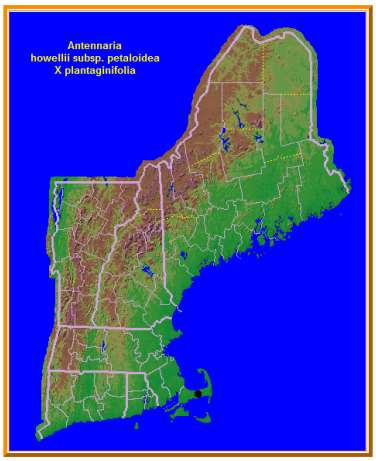


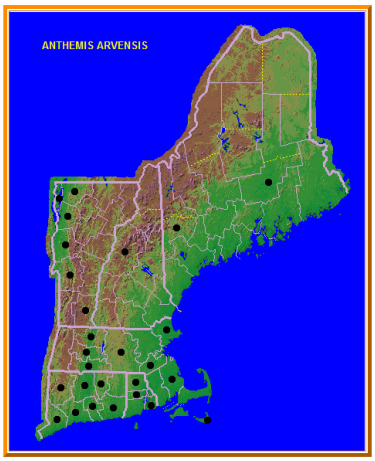
Antennaria neglecta Greene - **Field Pussytoes**. 2n = 28, (63), (84).
Dry fields, open woods.

Antennaria parlinii Fernald subsp. ***parlinii*** - **Smooth Pussytoes**. 2n = (56), (70), 84, (112).
Dry fields, open woods. [*A. parlinii* var. *arnoglossa* (Greene) Fernald; *A. plantaginifolia* (Linnaeus) Hooker var. *arnoglossa* (Greene) Cronquist]

Antennaria parlinii Fernald subsp. ***fallax*** (Greene) R.J. Bayer & Stebbins - . 2n = (42), 56, 84.
Dry fields, open woods. [*A. brainerdii* Fernald; *A. fallax* Greene; *A. munda* Fernald; *A. plantaginifolia* (Linnaeus) Hooker var. *ambigens* (Greene) Cronquist]







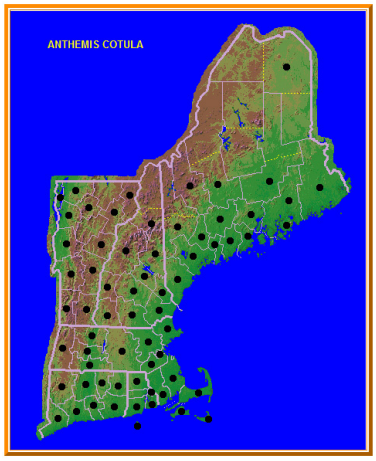
Antennaria plantaginifolia (Linnaeus) Hooker - . 2n = 28.
Dry, open woods, fields, rocky banks. [*A. plantaginifolia* var. *petiolata* (Fernald) A. Heller]

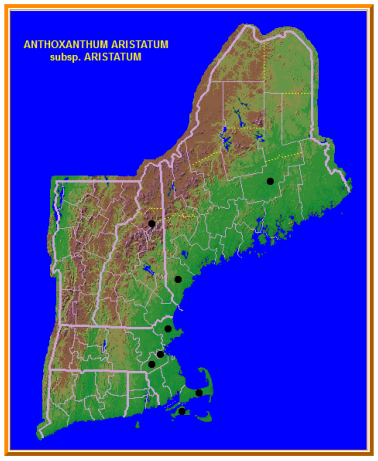
***Antennaria* hybrid**

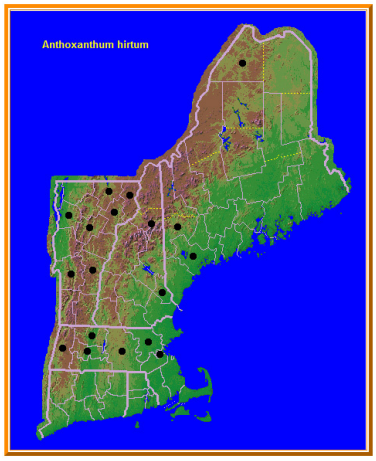
Antennaria howellii Greene subsp. ***petaloidea*** (Fernald) R.J. Bayer X ***A. plantaginifolia*** (Linnaeus) Hooker - .

ANTHEMIS (Family: Asteraceae)

ANTHEMIS ARVENSIS Linnaeus - **Corn Chamomile**. 2n = 18.
Waste places, fields, roadsides. From Eurasia, northern Africa. [*A. ARVENSIS* var. *AGRESTIS* (Wallroth) de Candolle]





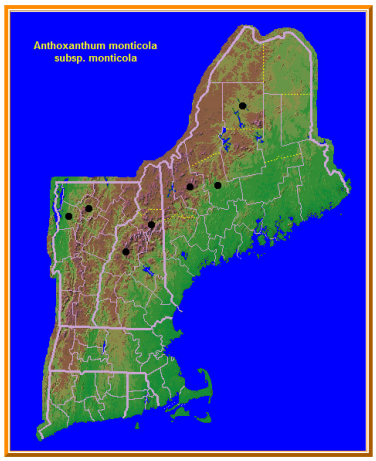


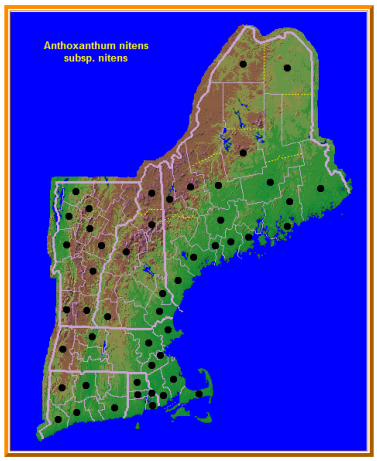
ANTHEMIS COTULA Linnaeus - **Mayeed**. 2n = 18.
Waste places, fields, roadsides. From Eurasia, northern Africa.

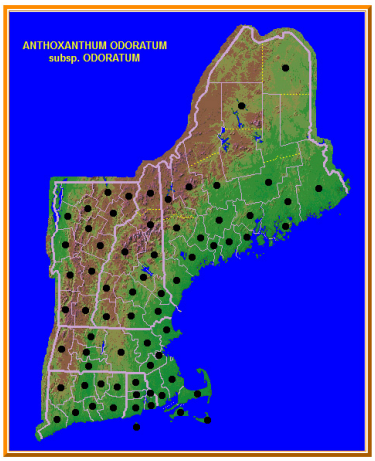
ANTHOXANTHUM (Family: Poaceae)

ANTHOXANTHUM ARISTATUM Boissier subsp. ***ARISTATUM*** - . 2n = 10, (20).
Waste places. From Europe. [*A. PUELII* Lecoq & Lamotte]

Anthoxanthum hirtum (Schrank) Y. Schouten & Veldkamp - **Sweetgrass**. 2n = 10, 56.
Meadows and marshes, not saline or brackish, shores. [*Hierochloë odorata* (Linnaeus) P. Beauvois -- in part]



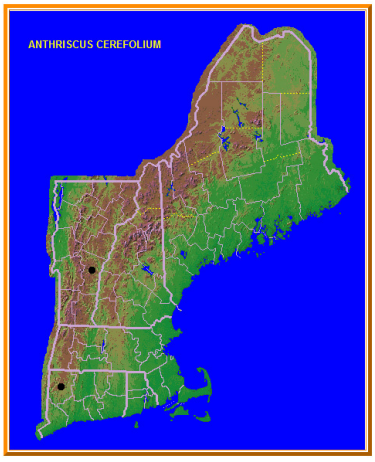


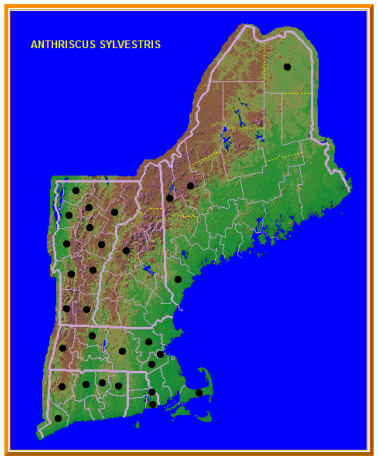


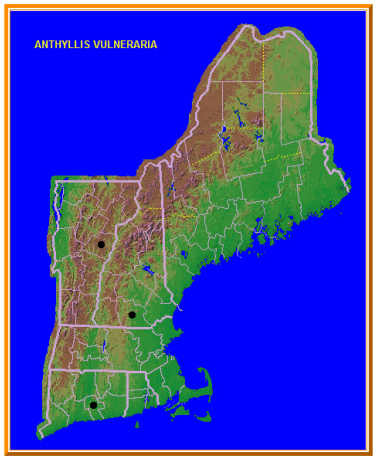
Anthoxanthum monticola (Bigelow) Veldkamp subsp. ***monticola*** - **Alpine Sweetgrass**. 2n = 56, 58, 63.
Siliceous rock and dry peat at high altitudes. [*Hierochloë alpina* (Swartz *ex* Willdenow) Roemer & Schultes subsp. *orthantha* (Sørensen) G. Weim]

Anthoxanthum nitens (Weber) Y. Schouten & Veldkamp subsp. ***nitens*** - **Sweetgrass**. 2n = 28, (42).
Meadows, salt marshes, roadsides, and fields. [*Hierochloë odorata* (Linnaeus) P. Beauvois -- in part]

ANTHOXANTHUM ODORATUM Linnaeus subsp. ***ODORATUM*** - **Sweet Vernal-grass**. 2n = 10, (15), 20, (21).
Fields, roadsides, woods, waste places. From Europe.







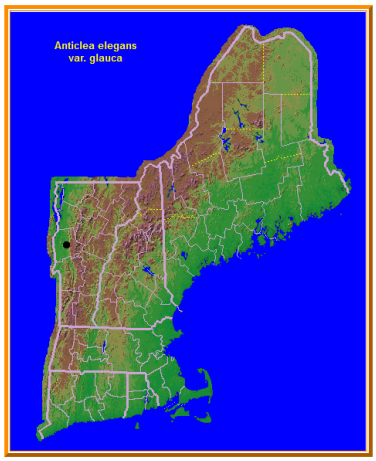
ANTHRISCUS (Family: Apiaceae)

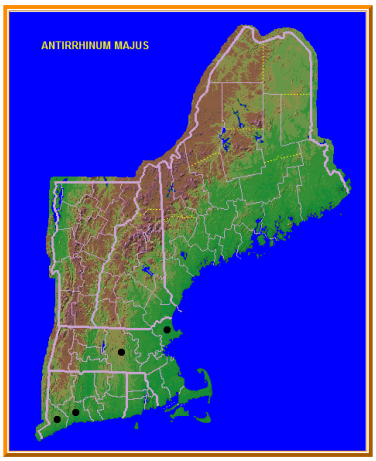
ANTHRISCUS CEREFOLIUM (Linnaeus) Hoffmann - **Garden Chervil**. 2n = 18.
Roadsides, waste places. From Eurasia.

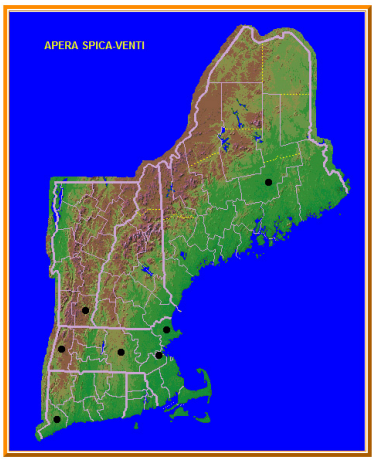
ANTHRISCUS SYLVESTRIS (Linnaeus) Hoffman - **Wild Chervil**. 2n = 16, (32), (48).
Fields, waste places, roadsides. From Eurasia, northern and central Africa.

ANTHYLLIS (Family: Fabaceae)

ANTHYLLIS VULNERARIA Linnaeus - **Kidney-vetch**. 2n = 12.
Roadsides, waste places, fields. From Eurasia, northern Africa.







ANTICLEA (Family: Melanthiaceae)

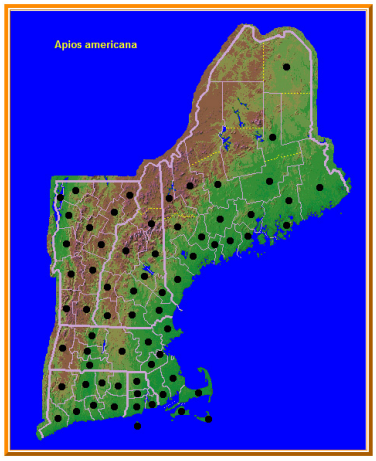
Anticlea elegans (Pursh) Rydberg var. ***glauca*** (Nuttall) Zomlefer & Judd - **White Camass**. 2n = 32.
Basic gravel, cliffs, shores, bogs. [*Zigadenus elegans* Pursh var. glaucus (Nuttall) Preece; *Z. glaucus* Nuttall]

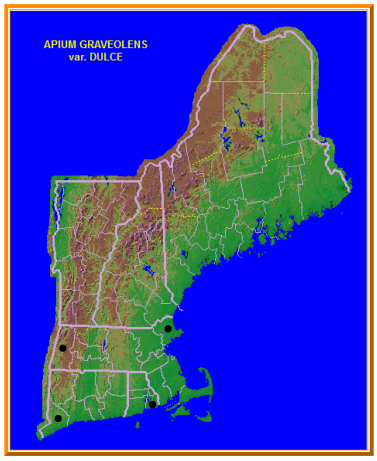
ANTIRRHINUM (Family: Plantaginaceae)

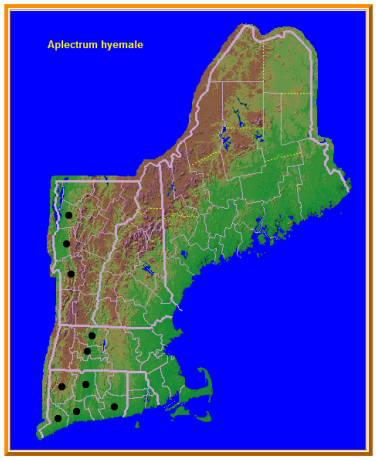
ANTIRRHINUM MAJUS Linnaeus - **Common Snapdragon**. 2n = 16, (18), (24), (32), (36), (64).
Waste places. From the Mediterranean.

APERA (Family: Poaceae)

APERA SPICA-VENTI (Linnaeus) P. Beauvois - . 2n = 14.
Waste places. From Europe. [*AGROSTIS SPICA-VENTI* Linnaeus]







APIOS (Family: Fabaceae)

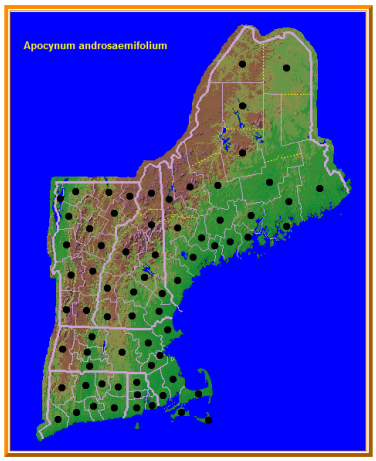
Apios americana Medikus - **Groundnut**. 2n = 22, 33, 40.
Riverbanks, rich, moist thickets, primarily along streams and lakes.

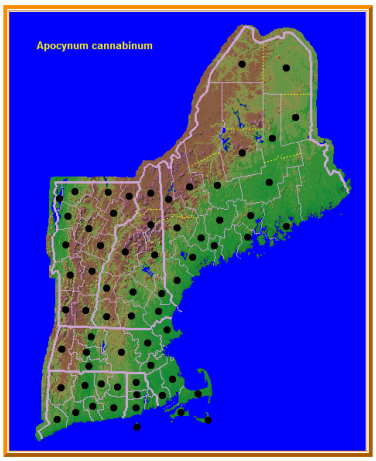
APIUM (Family: Apiaceae)

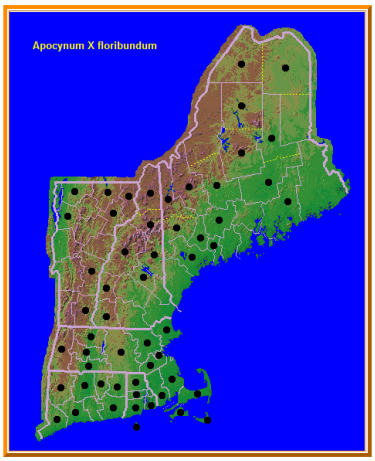
APIUM GRAVEOLENS Linnaeus var. ***DULCE*** (Miller) de Candolle - **Celery**. 2n = 22.
Waste places. From Eurasia.

APLECTRUM (Family: Orchidaceae)

Aplectrum hyemale (Muhlenberg *ex* Willdenow) Torrey - **Putty-root**. 2n = ?
Rich, rocky woods.







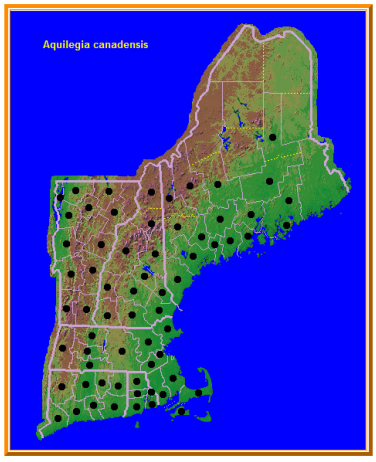
APOCYNUM (Family: Apocynaceae)

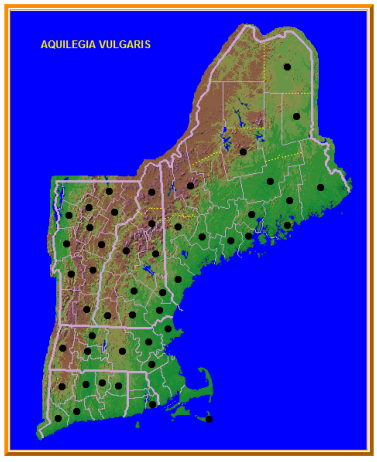
Apocynum androsaemifolium Linnaeus - **Spreading Dogbane**. 2n = 16, 22.
Roadsides, dry fields, thickets, woodland margins.

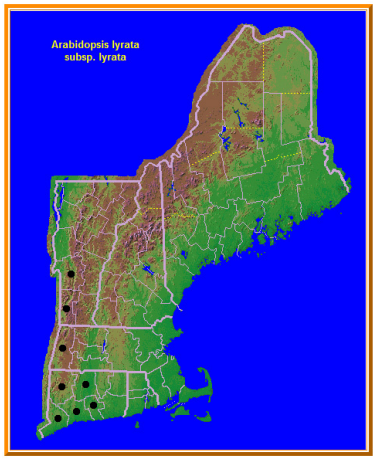
Apocynum cannabinum Linnaeus - **Indian Hemp**. 2n = 16, 22.
Shores, thickets, woodland margins, open ground. [*A. cannabinum* var. *pubescens* (R. Brown) A. de Candolle; *A. sibiricum* Jacquin var. *sibiricum*; *A. sibiricum* var. *cordigerum* (Greene) Fernald]

***Apocynum* hybrid**

Apocynum X ***floribundum*** Greene (*pro sp.*) - .
[*A. androsaemifolium* Linnaeus X *A. cannabinum* Linnaeus; *A. medium* Greene]







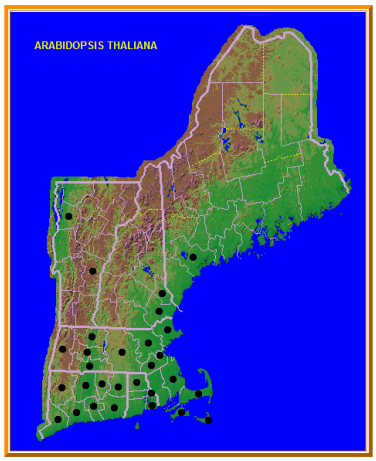
AQUILEGIA (Family: Ranunculaceae)

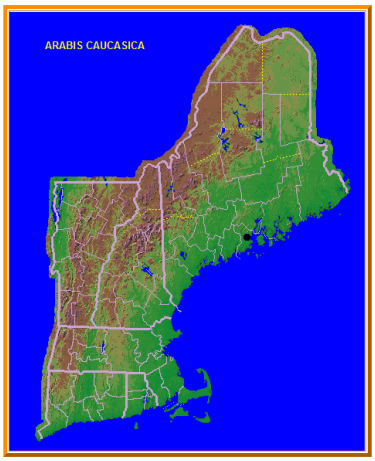
Aquilegia canadensis Linnaeus - **Wild Columbine**. 2n = 14, (16), (32).
Rock outcrops in woods, cliffs, rich soil. [*A. canadensis* var. *coccinea* (Small) Munz]

AQUILEGIA VULGARIS Linnaeus - **Garden Columbine**. 2n = 14, (16), (28), (32).
Roadsides, woodland borders, disturbed areas. From Europe.

ARABIDOPSIS (Family: Brassicaceae)

Arabidopsis lyrata (Linnaeus) O'Kane & Al-Shehbaz subsp. ***lyrata*** - **Sand Cress**. 2n = 16, 32.
Dry ledges (especially basic soil), gravels, sands. [*Arabis lyrata* Linnaeus]



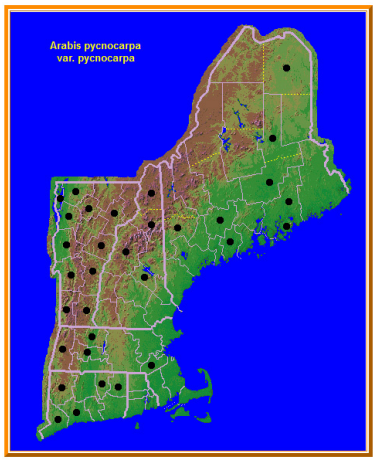


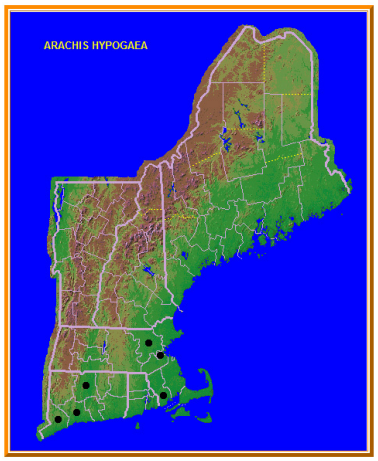
ARABIDOPSIS THALIANA (Linnaeus) Heynhold - **Mouse-ear Cress**. 2n = (6), 10, (20).
Sandy roadsides, waste places, dry fields. From Eurasia.

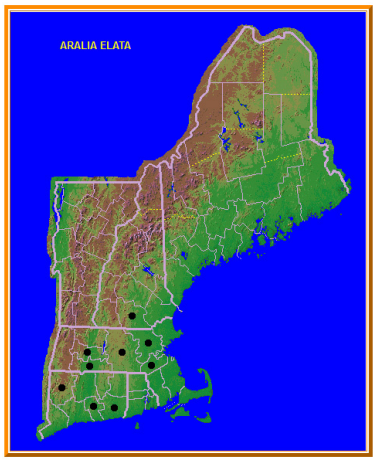
ARABIS (Family: Brassicaceae)

Arabis alpina Linnaeus - **Alpine Rock-cress**. 2n = 16, (32).
Calcareous rocks, alpine meadows.

ARABIS CAUCASICA Willdenow - **Garden Rock-cress**. 2n = 16, (24).
Waste places. From southwestern Asia.







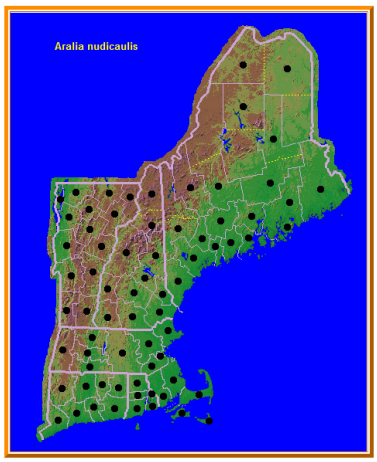
Arabis pycnocarpa M. Hopkins var. ***pycnocarpa*** - **Hairy Rock-cress**. 2n = 32.
Dry, calcareous ledges. [*A. hirsuta* (Linnaeus) Scopoli var. *pycnocarpa* (M. Hopkins) Rollins]

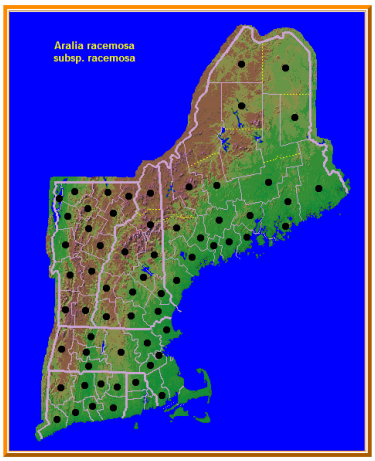
ARACHIS (Family: Fabaceae)

ARACHIS HYPOGAEA Linnaeus - **Common Peanut**. 2n = (20), (38), 40.
Roadsides, waste places, fields. From South America.

ARALIA (Family: Araliaceae)

ARALIA ELATA (Miquel) Seemann - **Japanese Angelica-tree**. 2n = 24.
Roadsides, thickets, streambanks, field margins. From eastern Asia.

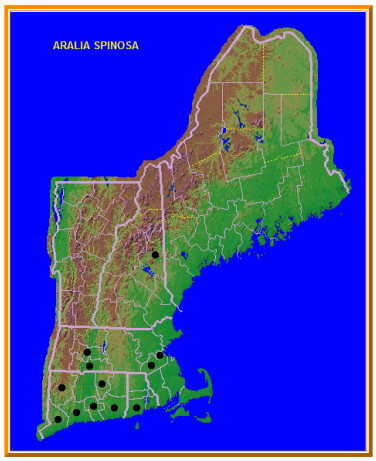


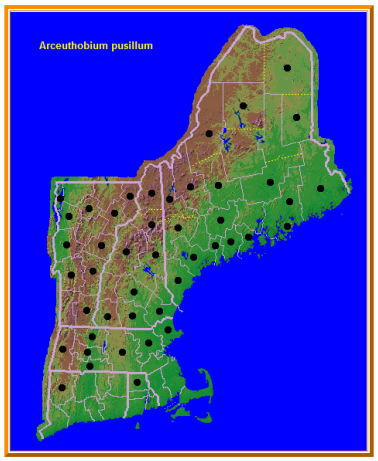


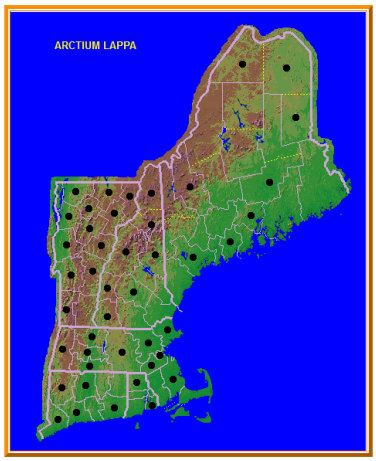
Aralia hispida Ventenat - **Bristly Sarsaparilla**. 2n = 24.
Roadsides, sandy or rocky open woodlands and clearings, in dry soil.

Aralia nudicaulis Linnaeus - **Wild Sarsaparilla**. 2n = 24, (48).
Woodlands.

Aralia racemosa Linnaeus subsp. ***racemosa*** - **Spikenard**. 2n = 24.
Woodlands, thickets, woodland margins, in rich soil.







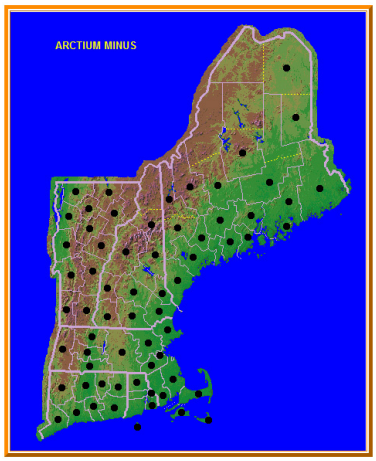
ARALIA SPINOSA Linnaeus - **Hercules'-club**. 2n = 24.
Thickets, roadsides, woodland margins.

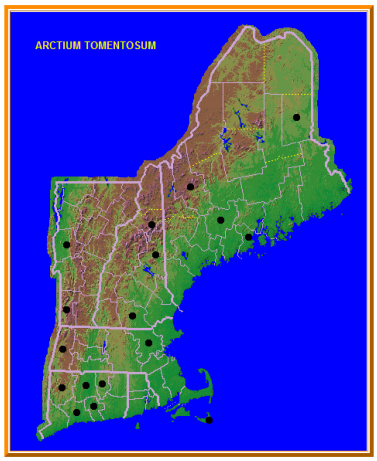
ARCEUTHOBIUM (Family: Santalaceae)

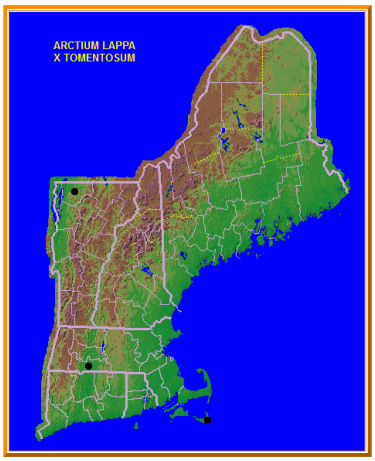
Arceuthobium pusillum Peck - **Dwarf Mistletoe**. 2n = 28.
Parasitic on *Picea*, rarely on *Larix* or *Pinus strobus*.

ARCTIUM (Family: Asteraceae)

ARCTIUM LAPPA Linnaeus - **Great Burdock**. 2n = (18), (32), (34), 36.
Waste places, roadsides. From Eurasia.





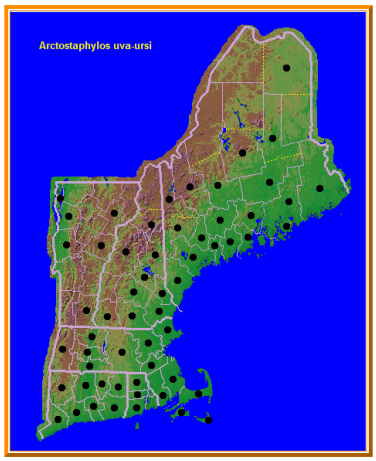


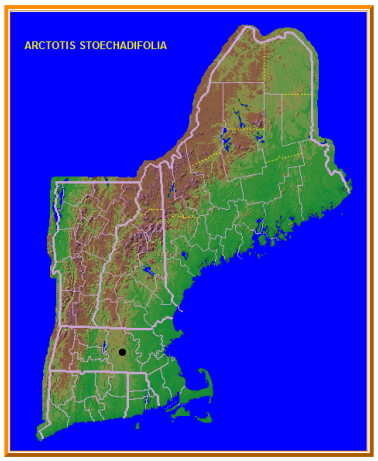
ARCTIUM MINUS (Hill) Bernhardi - **Common Burdock**. 2n = (18), (32), 36.
Waste places, roadsides. From Eurasia. [*A. NEMOROSUM* – misapplied; *A. VULGARE* – misapplied]

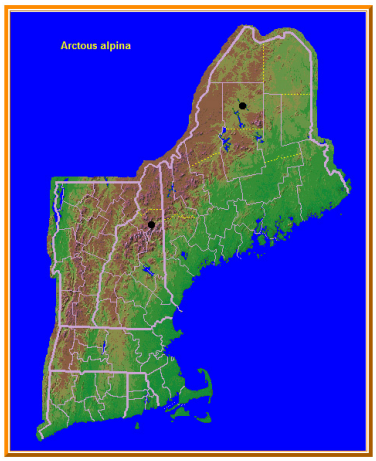
ARCTIUM TOMENTOSUM Miller - . 2n = 36.
Waste places. From Eurasia.

***Arctium* hybrid**

ARCTIUM LAPPA Linnaeus X ***A. TOMENTOSUM*** Miller - .







ARCTOSTAPHYLOS (Family: Ericaceae)

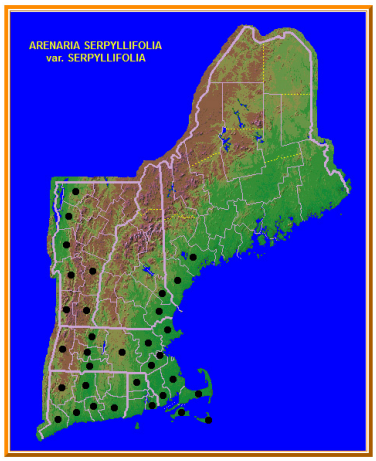
Arctostaphylos uva-ursi (Linnaeus) Sprengel - **Common Bearberry**. 2n = 26, (39), 52, (72), (78).
Dry, open, sandy or rocky soils. [*A. uva-ursi* var. *coactilis* Fernald & J.F. Macbride]

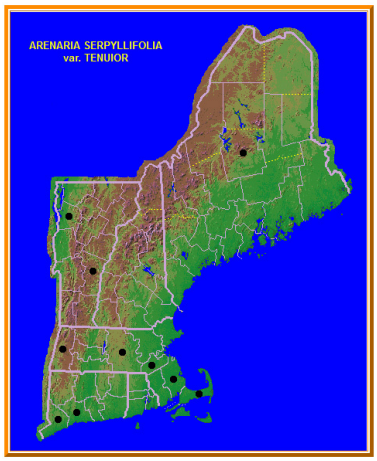
ARCTOTIS (Family: Asteraceae)

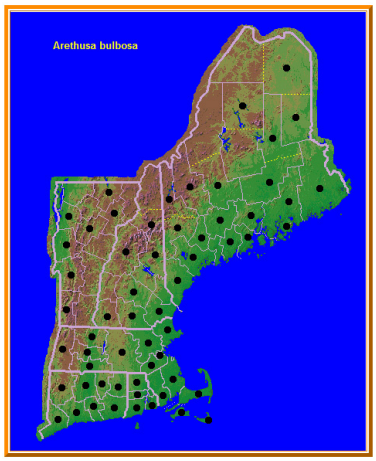
ARCTOTIS STOECHADIFOLIA P.J. Bergius - **Blue-eyed African-daisy**. 2n = 18.
Railroads. From southern Africa. [*A. VENUSTA* Norlindh]

ARCTOUS (Family: Ericaceae)

Arctous alpina (Linnaeus) Niedenzu - **Alpine Bearberry**. 2n = 26, (28).
Alpine areas. [*Arctostaphylos alpina* (Linnaeus) Sprengel]







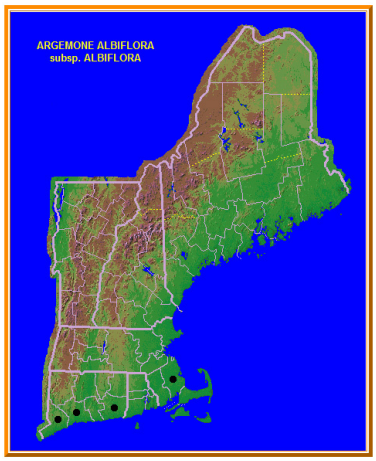
ARENARIA (Family: Caryophyllaceae)

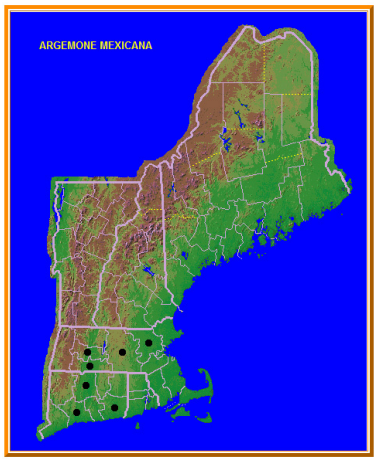
ARENARIA SERPYLLIFOLIA Linnaeus var. ***SERPYLLIFOLIA*** - **Thyme-leaved Sandwort**. 2n = (10), (20), (22), (30), 40, (44).
Dry ledges, often limestone, dry, sterile fields, roadsides. From Eurasia, northern Africa.

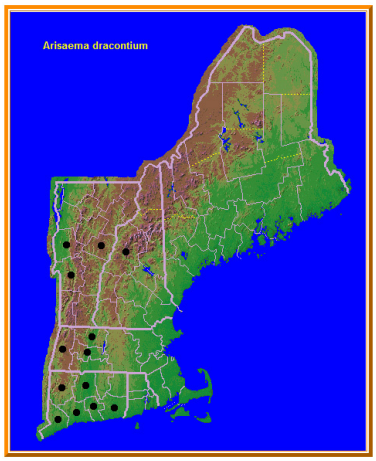
ARENARIA SERPYLLIFOLIA Linnaeus var. ***TENUIOR*** Mertens & W.D.J. Koch - **Thyme-leaved Sandwort**. 2n = 20.
Dry ledges, often limestone, dry, sterile fields, roadsides. From Eurasia, northern Africa.

ARETHUSA (Family: Orchidaceae)

Arethusa bulbosa Linnaeus - **Arethusa**. 2n = 40.
Sphagnous bogs, meadows, and swamps.







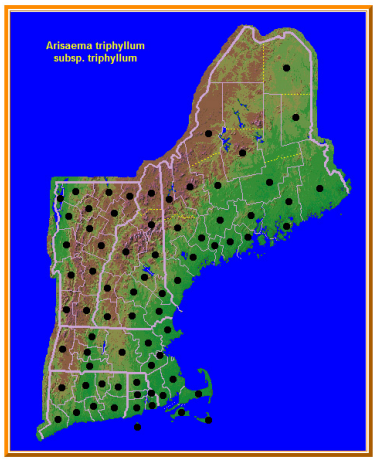
ARGEMONE (Family: Papaveraceae)

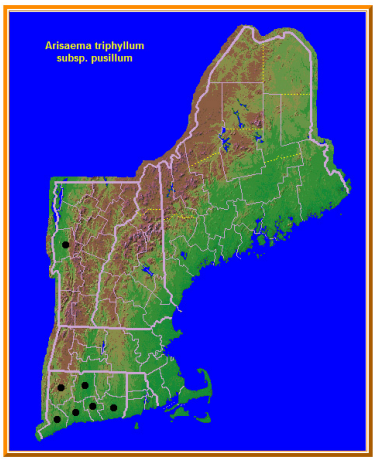
ARGEMONE ALBIFLORA Hornemann subsp. ***ALBIFLORA*** - **White Prickly-poppy**. 2n = 28, (56).
Waste places, roadsides. From southeastern United States. [*A. ALBA* F. Lestiboudois]

ARGEMONE MEXICANA Linnaeus - **Mexican Prickly-poppy**. 2n = 28, (56), (112).
Waste places. From tropical America and Caribbean islands.

ARISAEMA (Family: Araceae)

Arisaema dracontium (Linnaeus) Schott - **Green Dragon**. 2n = 28, 56.
Rich or alluvial soil.





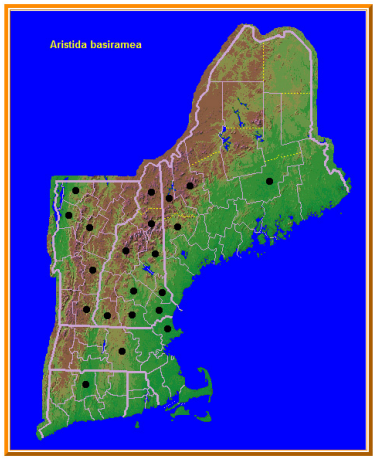
Arisaema triphyllum (Linnaeus) Schott subsp. ***triphyllum*** - **Jack-in-the-pulpit**. 2n = 28, (36), 56.
Rich, damp to wet woods, boggy places. [*A. atrorubens* (Aiton) Blume]

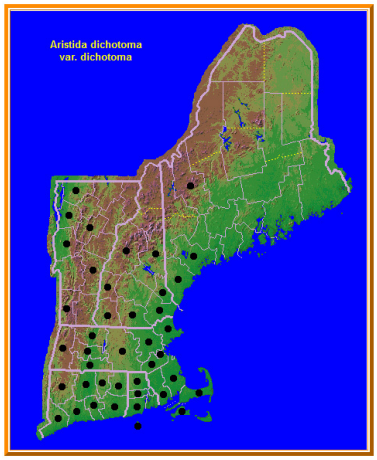
Arisaema triphyllum (Linnaeus) Schott subsp. ***pusillum*** (Peck) Huttleston - . 2n = ?
Swamps, boggy places, wet, low woodlands. [*A. triphyllum* var. *pusillum* Peck; *A. pusillum* (Peck) Nash] Note: The distribution records of this taxon of limited distribution do not include those in the NEBC and Harvard University herbaria since this taxon is not currently separated from the typical subspecies in those herbaria.

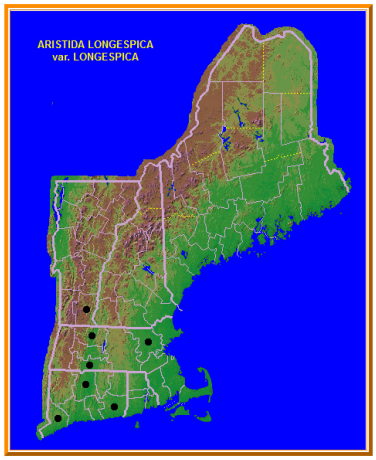
Arisaema triphyllum (Linnaeus) Schott subsp. ***stewardsonii*** (Britton) Huttleston - . 2n = ?
Rich, damp to wet woods, boggy places. [*A. triphyllum* var. stewardsonii (Britton) Stevens *ex* Wiegand & Eames; *A. stewardsonii* Britton] Note: This widespread taxon is **not mapped** since it is not currently separated from the typical subspecies in the NEBC and Harvard University herbaria.

***Arisaema* hybrid**

Arisaema dracontium (Linnaeus) Schott X ***A. triphyllum*** (Linnaeus) Schott - .





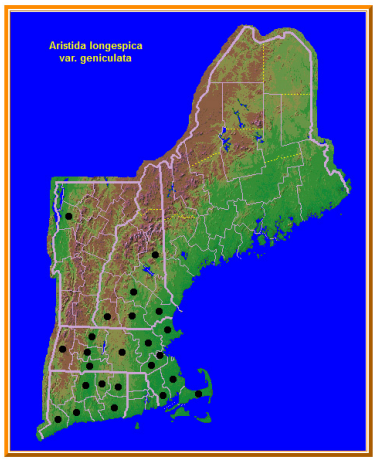


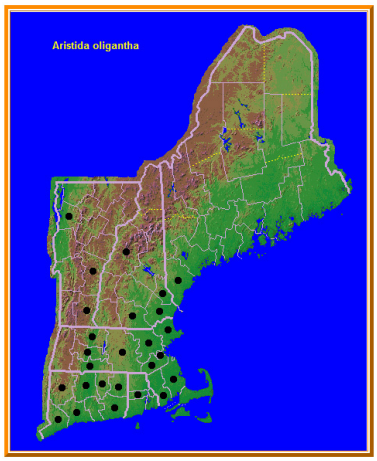
ARISTIDA (Family: Poaceae)

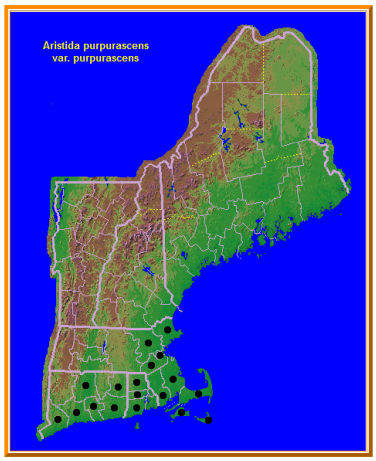
Aristida basiramea Engelmann *ex* Vasey - . 2n = ?
Dry, sandy soil.

Aristida dichotoma Michaux var. ***dichotoma*** - **Poverty-grass**. 2n = ?
Dry, sterile soil.

ARISTIDA LONGESPICA Poiret var. ***LONGESPICA*** - . 2n = ?
Open, dry or sterile soil, fields, peaty shores. From farther west and south.



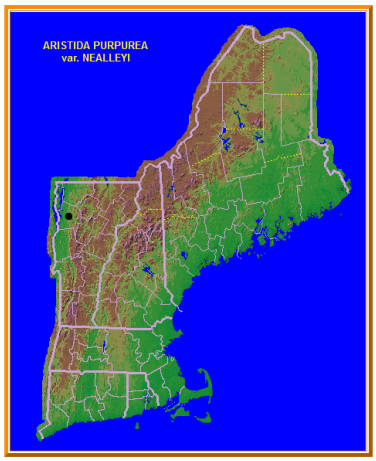


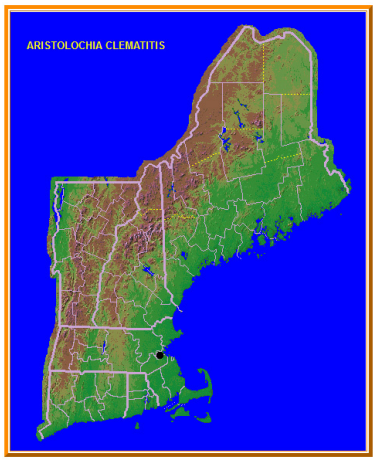


Aristida longespica Poiret var. ***geniculata*** (Rafinesque) Fernald - . 2n = ?
Sandy soil, peaty shores, cranberry bogs.

Aristida oligantha Michaux - **Prairie Three-awn**. 2n = 22.
Dry, open, sterile soil.

Aristida purpurascens Poiret var. ***purpurascens*** - . 2n = ?
Dry sandy or gravelly soil.



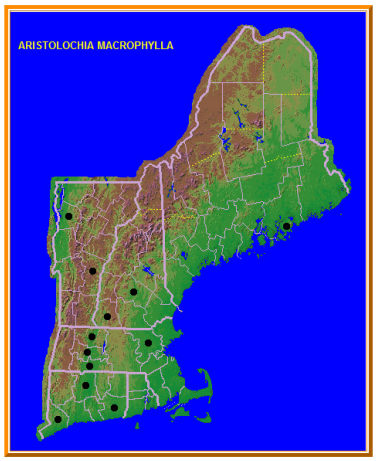


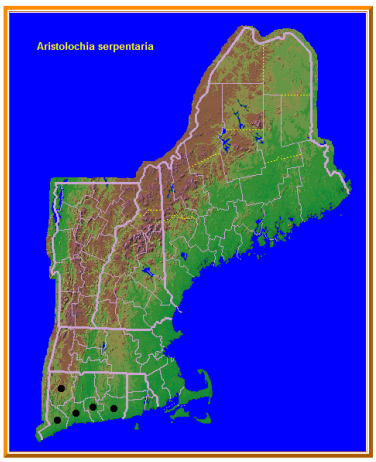
ARISTIDA PURPUREA Nuttall var. ***NEALLEYI*** (Vasey) Allred - . 2n = 22, 44.
Dry soil, roadsides. From farther west. [*A. GLAUCA* (Nees) Walpers] Note: The sole New England voucher specimen from Chittenden Co., Vermont seen by us at the Pringle Herbarium of the University of Vermont has not been located at this herbarium by later workers or staff.

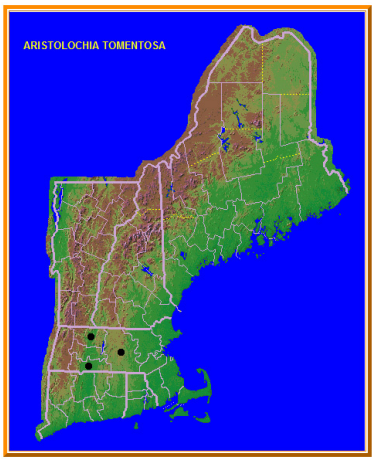
Aristida tuberculosa Nuttall - **Sea-beach Needlegrass**. 2n = ?
Dunes, dry sterile soil.

ARISTOLOCHIA (Family: Aristolochiaceae)

ARISTOLOCHIA CLEMATITIS Linnaeus - **Birthwort**. 2n = 14.
Waste places, roadsides, ballast. From Europe.



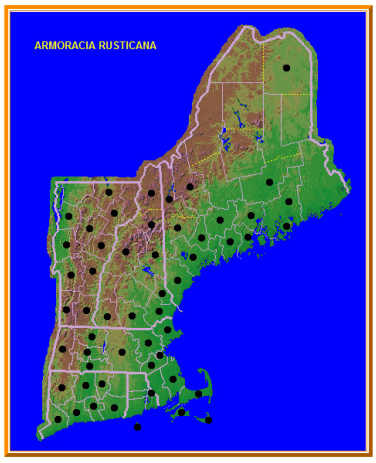


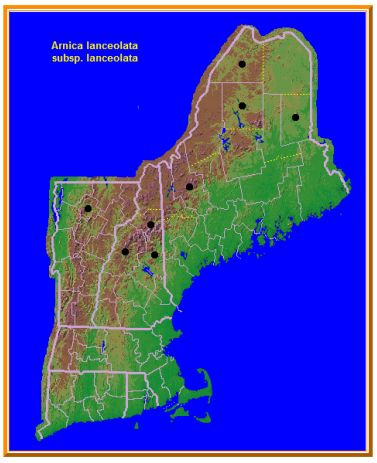


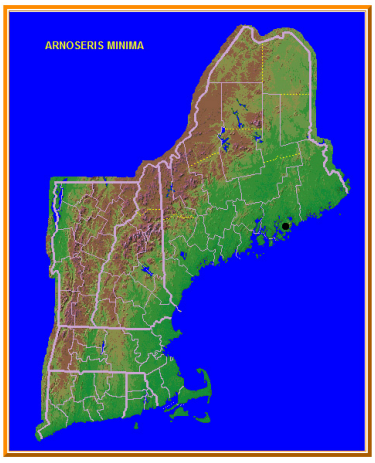
ARISTOLOCHIA MACROPHYLLA Lamarck - **Dutchman's Pipe**. 2n = 28.
Woodland borders. From farther south. [A. DURIOR - misapplied]

Aristolochia serpentaria Linnaeus - **Virginia Snakeroot**. 2n = 28.
Rich, often calcareous, woods.

ARISTOLOCHIA TOMENTOSA Sims - **Pipevine**. 2n = 28.
Thickets. From farther south and west.







ARMORACIA (Family: Brassicaceae)

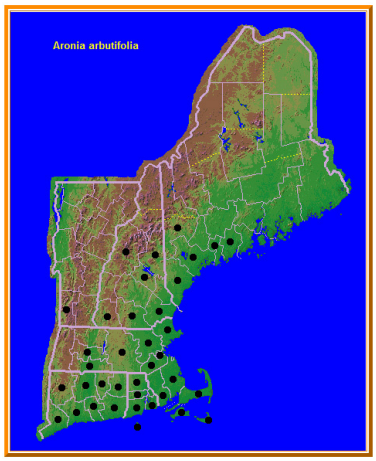
ARMORACIA RUSTICANA P. Gaertner, B. Meyer & Scherbius - **Horseradish**. 2n = 32.
Moist soil of waste places, roadsides, fields. From Eurasia. [*A. LAPATHIFOLIA* Gilibert]

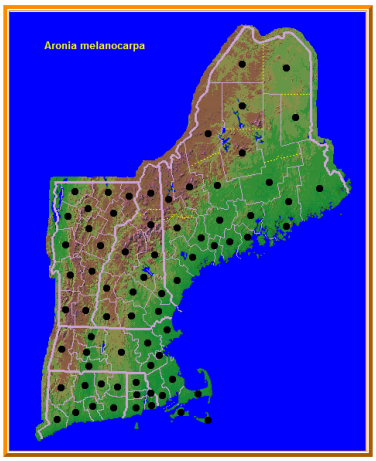
ARNICA (Family: Asteraceae)

Arnica lanceolata Nuttall subsp. ***lanceolata*** - . 2n = (38), 76.
Damp banks and ledges in mountains, often subalpine. [*A. mollis* – misapplied; *A. mollis* var. *petiolaris* Fernald]

ARNOSERIS (Family: Asteraceae)

ARNOSERIS MINIMA (Linnaeus) Schweigger & Körte - **Lamb's Succory**. 2n = 18.
Fields. From Europe.





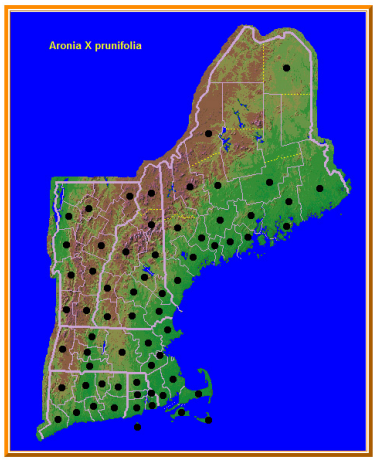
ARONIA (Family: Rosaceae)

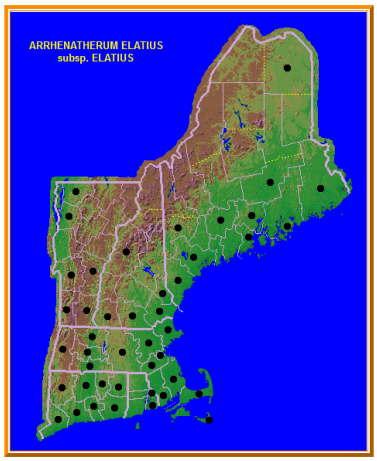
Aronia arbutifolia (Linnaeus) Persoon - **Red Chokeberry**. 2n = 34, 68.
Low woods, thickets, swamps, shores. [*Photinia pyrifolia* (Lamarck) K.R. Robinson & J.B. Phipps; *Pyrus arbutifolia* (Linnaeus) Linnaeus (son)]

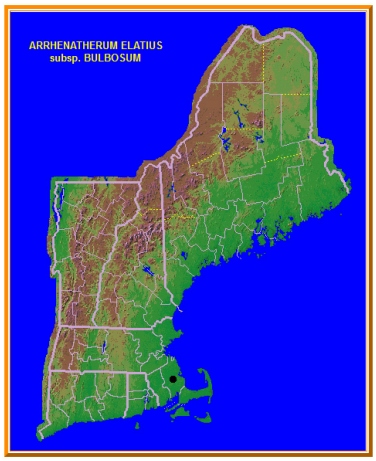
Aronia melanocarpa (Michaux) Elliott - **Black Chokeberry**. 2n = 34.
Low woods, thickets, swamps, shores, sand dunes, dry, rocky slopes, bluffs, clearings, roadsides. [*A. arbutifolia* (Linnaeus) Persoon var. *nigra* (Willdenow) F. Seymour; *Photinia melanocarpa* (Michaux) K.R. Robinson & J.B. Phipps; *Pyrus melanocarpa* (Michaux) Willdenow]

***Aronia* hybrids**

Aronia melanocarpa (Michaux) Elliott X ***A.*** X ***prunifolia*** (Marshall) Rehder (*pro species*) - .





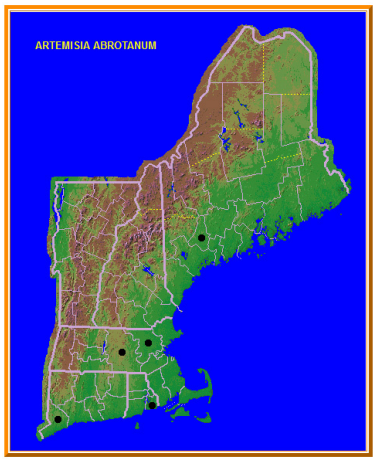


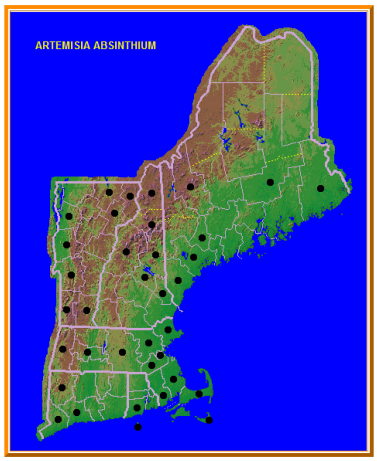
Aronia X ***prunifolia*** (Marshall) Rehder (*pro species*) - **Purple Chokeberry**.
Swamps, shores, low thickets, clearings. [*A. arbutifolia* (Linnaeus) Persoon X *A. melanocarpa* (Michaux) Elliott; *A. arbutifolia* (Linnaeus) Persoon var. *atropurpurea* (Britton) F. Seymour; *A. atropurpurea* Britton; *A. floribunda* (Lindley) Sweet; *Photinia floribunda* (Lindley) K.R. Robinson & J.B. Phipps; *Pyrus floribunda* Lindley] Note: Some botanists consider this not to be a hybrid.

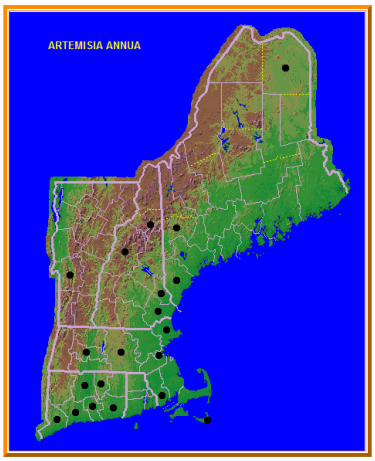
ARRHENATHERUM (Family: Poaceae)

ARRHENATHERUM ELATIUS (Linnaeus) P. Beauvois *ex* J. & C. Presl subsp. ***ELATIUS*** - **Tall Oatgrass**. 2n = (14), 28, (40), (42), (56).
Fields, roadsides, waste ground. From Europe.

ARRHENATHERUM ELATIUS (Linnaeus) P. Beauvois *ex* J. & C. Presl subsp. ***BULBOSUM*** (Willdenow) Schübler & G. Martens - . 2n = 28.
[*A. ELATIUS* var. *BULBOSUM* (Willdenow) Spenner] Fields. From Europe.





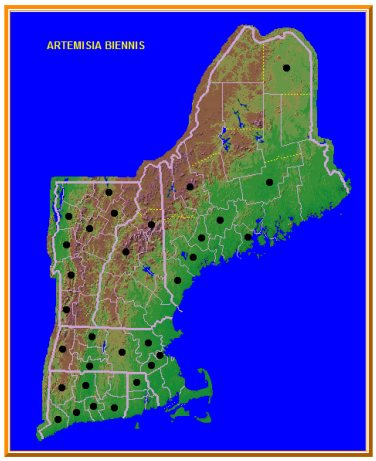


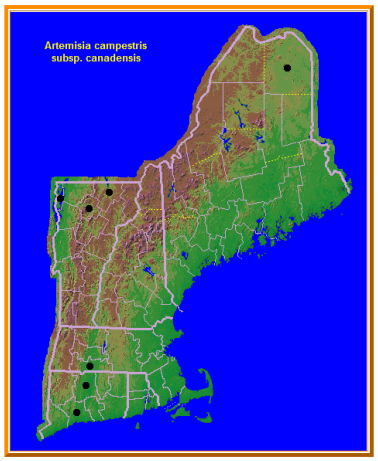
ARTEMISIA (Family: Asteraceae)

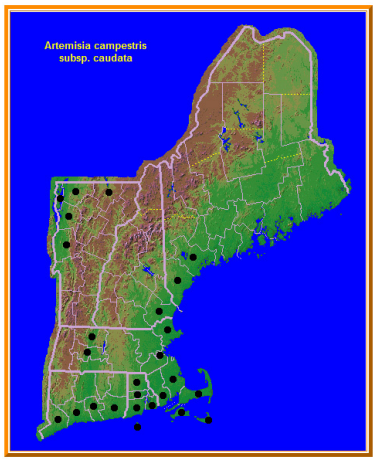
ARTEMISIA ABROTANUM Linnaeus - **Southernwood**. 2n = 18, (20), 36.
Waste places, roadsides. From Eurasia.

ARTEMISIA ABSINTHIUM Linnaeus - **Common Wormwood**. 2n = 18, (36).
Dry fields, roadsides, waste places. From Eurasia, northern Africa.

ARTEMISIA ANNUA Linnaeus - **Sweet Annie**. 2n = 18.
Waste places, roadsides, fields. From Eurasia.



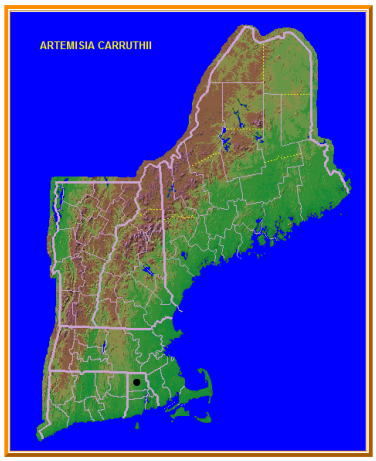


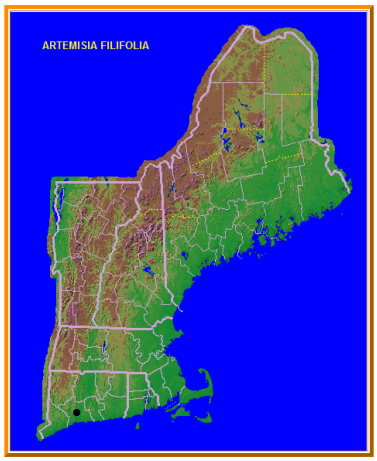


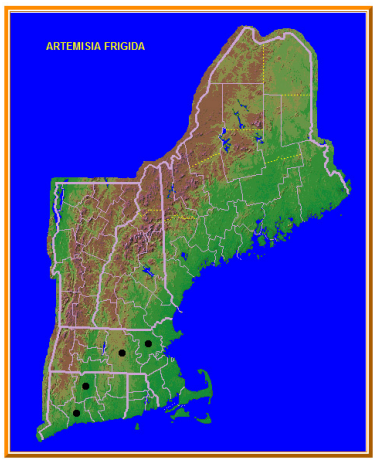
ARTEMISIA BIENNIS Willdenow - . 2n = 18.
Waste places, roadsides, clearings. From farther west.

Artemisia campestris Linnaeus subsp. ***canadensis*** (Michaux) Scoggan - **Canada Wormwood**. 2n = ?
Calcareous rocks and cliffs. [*A. canadensis* Michaux]

Artemisia campestris Linnaeus subsp. ***caudata*** (Michaux) H.M. Hall & Clements - . 2n = 18.
Open, usually sandy, soil. [*A. caudata* Michaux]



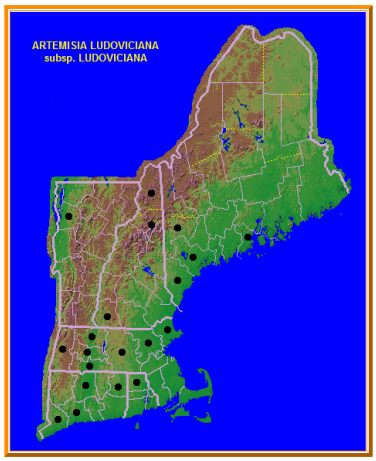


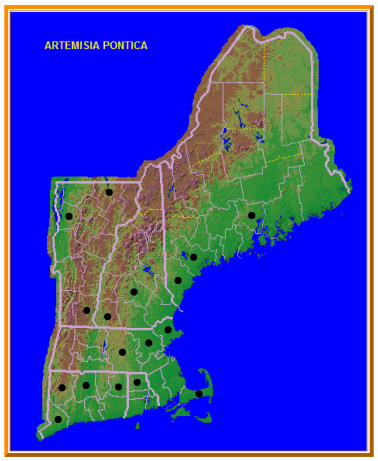


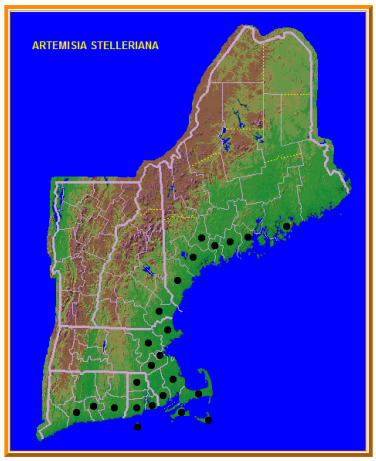
ARTEMISIA CARRUTHII Alph. Wood *ex* Carruthers - . 2n = 18.
Railroads. From farther west.

ARTEMISIA FILIFOLIA Torrey - **Sand Sage**. 2n = 18.
Waste places. From farther west.

ARTEMISIA FRIGIDA Willdenow - **Prairie Sagewort**. 2n = 18, (36), (90).
Waste places, roadsides, railroads, dry fields. From farther west.



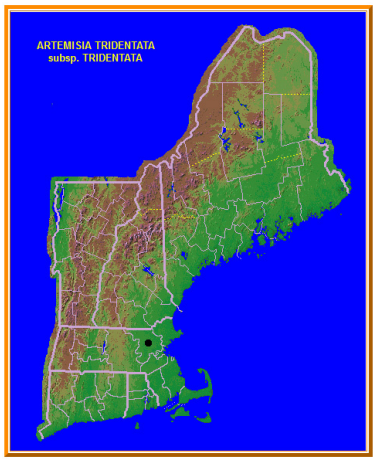


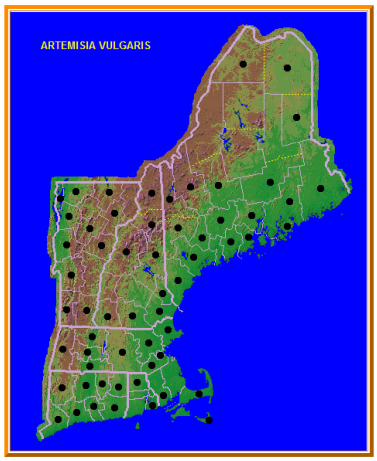


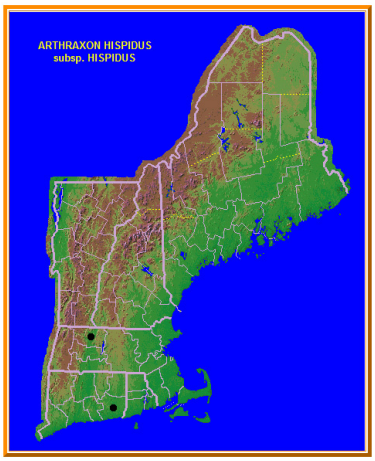
ARTEMISIA LUDOVICIANA Nuttall subsp. ***LUDOVICIANA*** - **Man Sage**. 2n = (18), 36.
Roadsides, railroads, waste places. From farther west. [*A. LUDOVICIANA* var. *AMERICANA* (Besser) Fernald; *A. LUDOVICIANA* var. *BRITTONII* (Rydberg) Fernald; *A. LUDOVICIANA* var. *GNAPHALOIDES* (Nuttall) Torrey & A. Gray; *A. LUDOVICIANA* var. *LATIFOLIA* (Besser) Torrey & A. Gray; *A. LUDOVICIANA* var. *PABULARIS* (A. Nelson) Fernald; *A. GNAPHALOIDES* Nuttall]

ARTEMISIA PONTICA Linnaeus - **Roman Wormwood**. 2n = 18.
Roadsides, railroads, waste places, fields. From Eurasia.

ARTEMISIA STELLERIANA Besser - **Dusty Miller**. 2n = 18.
Sandy beaches, dunes. From northeastern Asia, Alaskan islands.





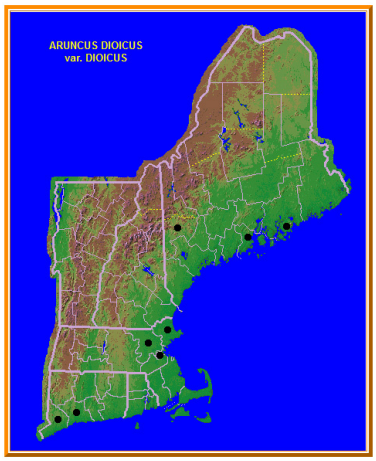


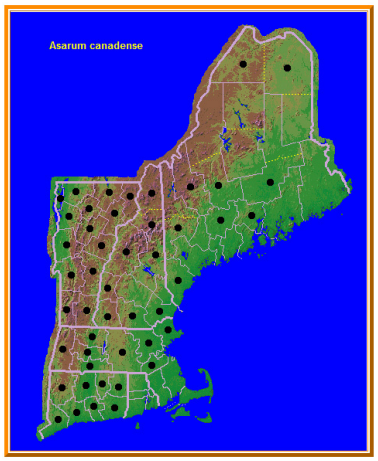
ARTEMISIA TRIDENTATA Nuttall subsp. ***TRIDENTATA*** - **Big Sagebrush**. 2n = 18, 36.
Fields. From farther west.

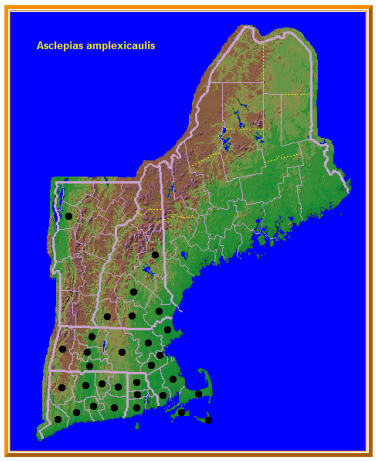
ARTEMISIA VULGARIS Linnaeus - **Common Mugwort**. 2n = 16, (18), (24), (34), (36), (40), (45), (54).
Roadsides, railroads, waste places, thickets. Eurasia, northern Africa. [*A. VULGARIS* var. *GLABRA* Ledebour; *A. VULGARIS* var. *LATILOBA* Ledebour]

ARTHRAXON (Family: Poaceae)

ARTHRAXON HISPIDUS (Thunberg) Makino subsp. ***HISPIDUS*** - . 2n = (10), (18), 36, (40).
Damp roadsides, ditches, shores. From eastern Asia. [*A. HISPIDUS* var. *CRYPTATHERUS* (Hackel) Honda]







ARUNCUS (Family: Rosaceae)

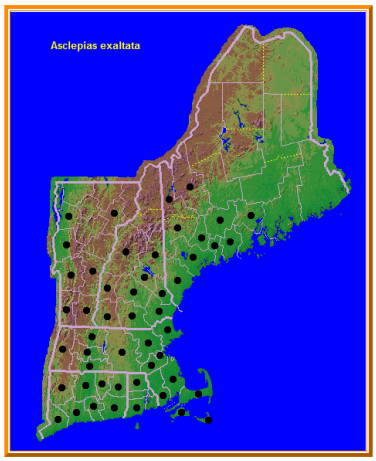
ARUNCUS DIOICUS (Walter) Fernald var. ***DIOICUS*** - **Buck's-beard**. 2n = 18.
Waste places, roadsides, openings and borders of mixed woodlands. From farther west and south.

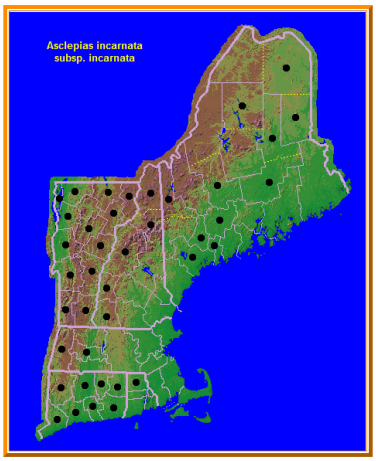
ASARUM (Family: Aristolochiaceae)

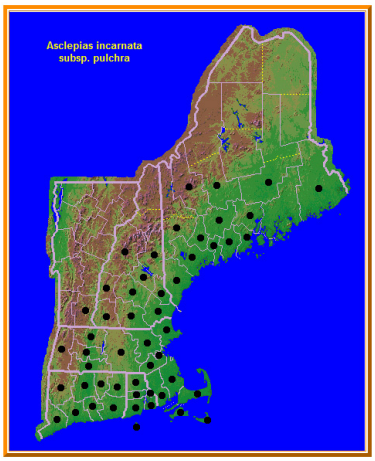
Asarum canadense Linnaeus - **Wild Ginger**. 2n = 26.
Rich woods and shaded, calcareous ledges. [*A. canadense* var. *acuminatum* Ashe; *A. canadense* var. *reflexum* (E.P. Bicknell) B.L. Robinson]

ASCLEPIAS (Family: Apocynaceae)

Asclepias amplexicaulis Smith - . 2n = ?
Dry, open, sandy soil in woods, thickets, fields, roadsides. [*A. obtusifolia* Michaux]



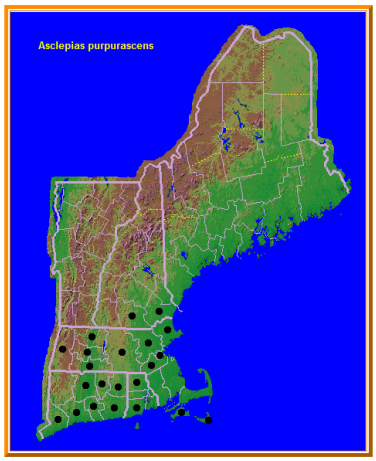


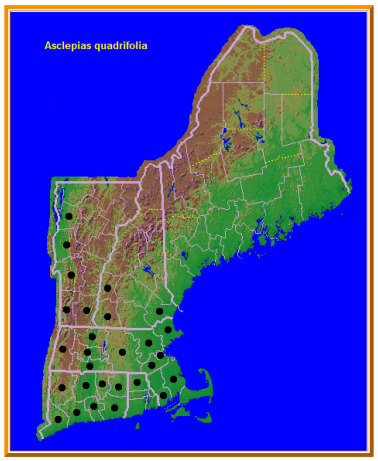


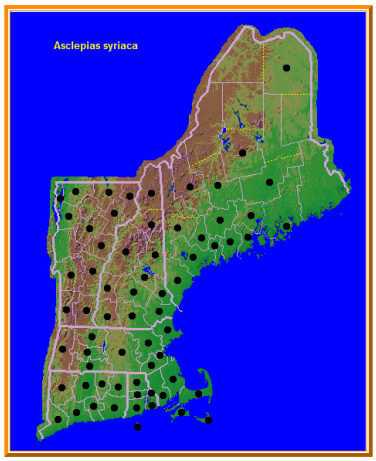
Asclepias exaltata Linnaeus - **Poke Milkweed**. 2n = 22.
Rich woods, woodland margins, clearings, thickets. [*A. phytolaccoides* G.F. Lyon *ex* Pursh]

Asclepias incarnata Linnaeus subsp. ***incarnata*** - **Swamp Milkweed**. 2n = 22.
Swamps, pond shores, wet thickets, meadows and fields.

Asclepias incarnata Linnaeus subsp. ***pulchra*** (Ehrhart *ex* Willdenow) Woodson - **Hairy Milkweed**. 2n = 22.
Swamps, pond shores, wet thickets, meadows and fields.



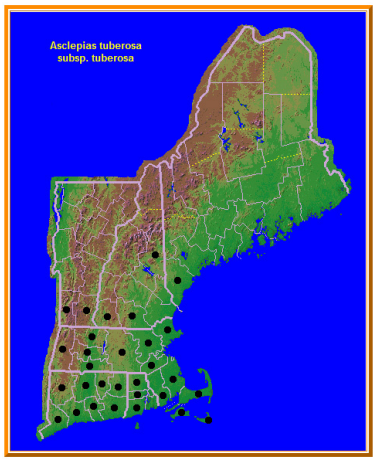


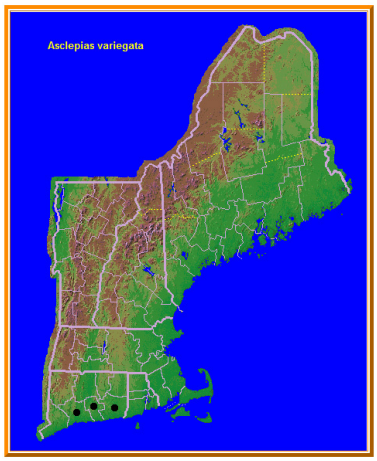


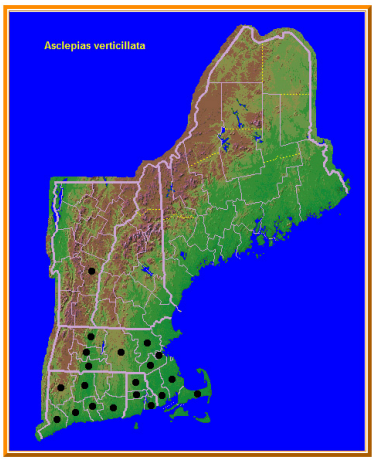
Asclepias purpurascens Linnaeus - **Purple Milkweed**. 2n = ?
Dry woods, woodland margins, thickets, openings, roadsides, dry fields.

Asclepias quadrifolia Jacquin - . 2n = ?
Rich, dry woods, often rocky and circumneutral or calcareous.

Asclepias syriaca Linnaeus - **Common Milkweed**. 2n = 22.
Roadsides, fields, meadows, thickets, railroad banks.



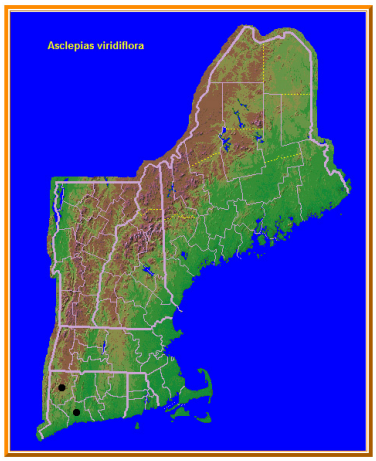


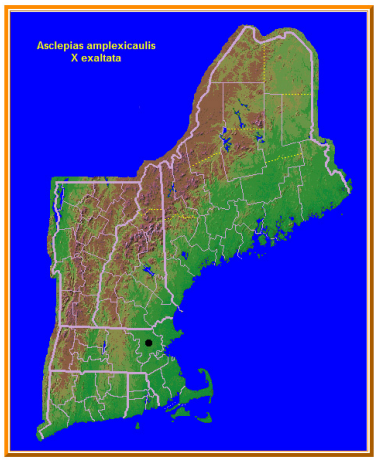


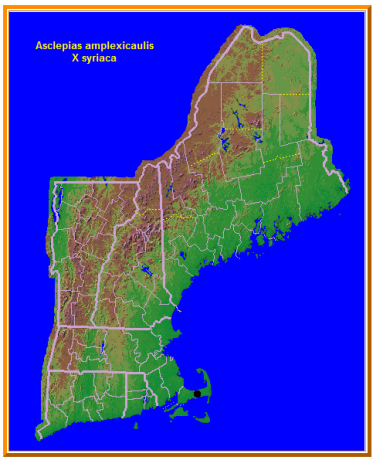
Asclepias tuberosa Linnaeus subsp. ***tuberosa*** - **Butterfly-weed**. 2n = 22.
Dry, open soil, roadsides, fields.

Asclepias variegata Linnaeus - **White Milkweed**. 2n = ?
Dry, wooded hillsides, thickets.

Asclepias verticillata Linnaeus - . 2n = 22.
Dry woods, open, often rocky, soil, fields, railroad banks.





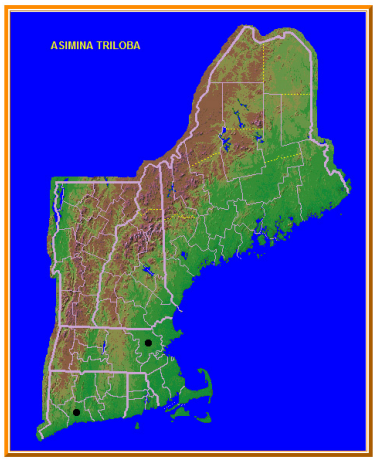


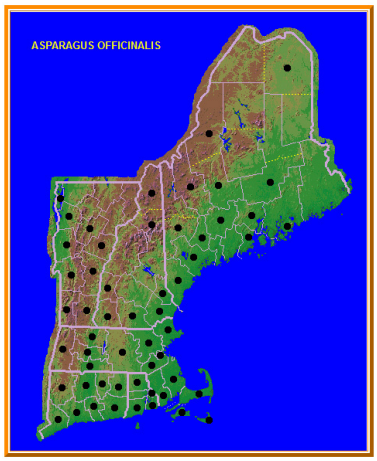
Asclepias viridiflora Rafinesque - **Green Milkweed**. 2n = 22.
Sandy fields, openings, roadsides.

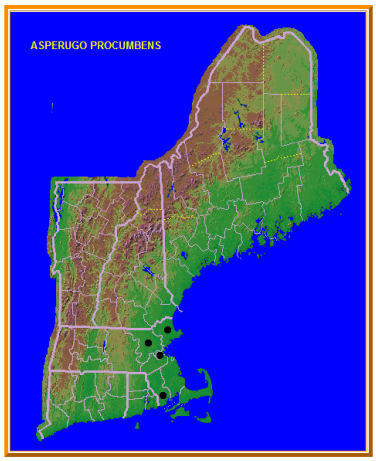
Asclepias hybrids

Asclepias amplexicaulis Smith X ***A. exaltata*** Linnaeus - .

Asclepias amplexicaulis Smith X ***A. syriaca*** Linnaeus - .







ASIMINA (Family: Annonaceae)

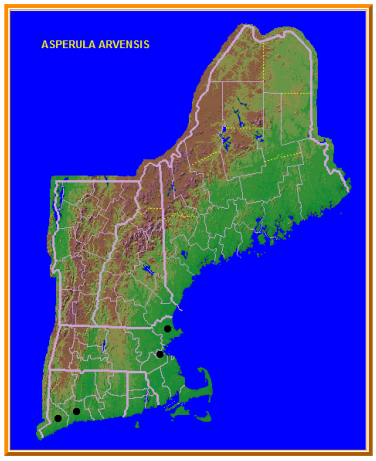
ASIMINA TRILOBA (Linnaeus) Dunal - **Pawpaw**. 2n = 16, 18, 27.
Roadsides, near buildings, disturbed paths. From farther south and west.

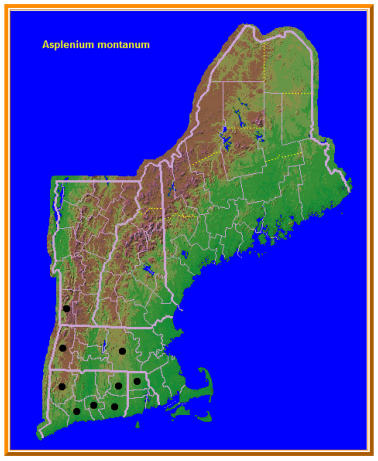
ASPARAGUS (Family: Asparagaceae)

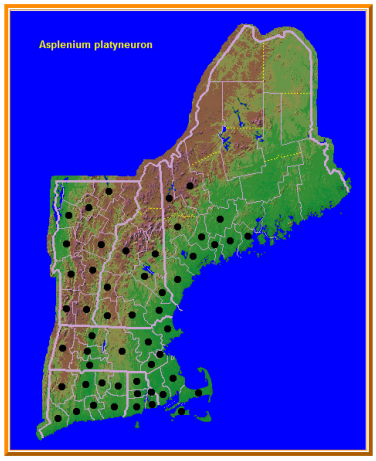
ASPARAGUS OFFICINALIS Linnaeus - **Asparagus**. 2n = 20, (40), (80).
Roadsides, near buildings, fields, fence rows. From Europe.

ASPERUGO (Family: Boraginaceae)

ASPERUGO PROCUMBENS Linnaeus - **Madwort**. 2n = 48.
Waste places, streambanks. From Eurasia.







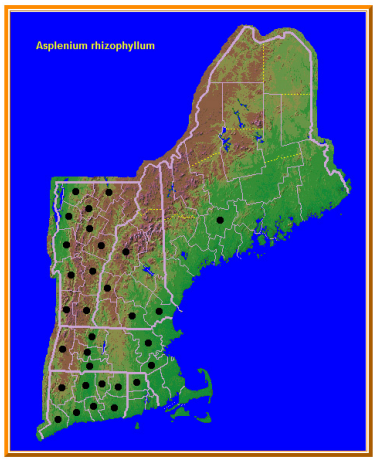
ASPERULA (Family: Rubiaceae)

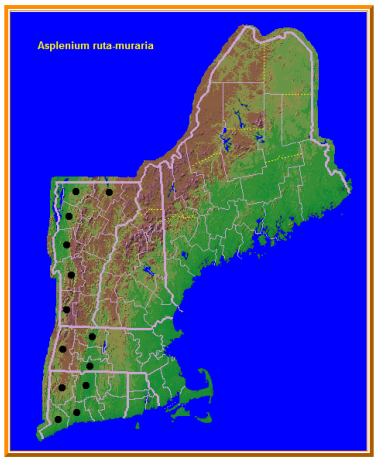
ASPERULA ARVENSIS Linnaeus - **Blue Woodruff**. 2n = 22.
Waste places, roadsides, fields. From Eurasia. [*GALIUM ARVENSE* (Linnaeus) F. Hermann]

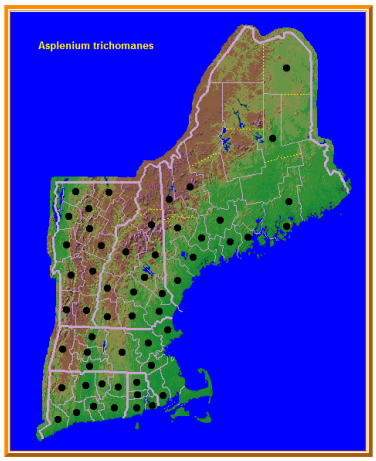
ASPLENIUM (Family: Aspleniaceae)

Asplenium montanum Willdenow - **Mountain Spleenwort**. 2n = 72.
Moist, sheltered crevices of chiefly non-calcareous cliffs and ledges.

Asplenium platyneuron (Linnaeus) Britton, Sterns & Poggenburg - **Ebony Spleenwort**. 2n = 72, (144).
Well-drained, rocky, circumneutral soils on slopes and ledges in deciduous forests (occasionally on crumbling mortar). [*A. platyneuron* var. *incisum* B.L. Robinson]



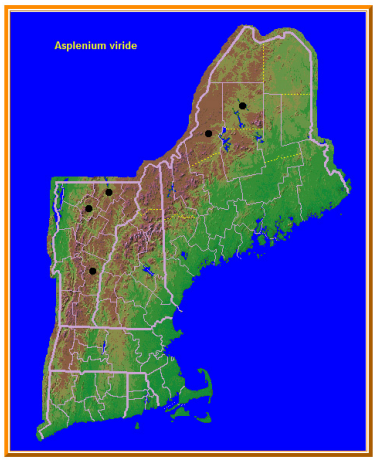


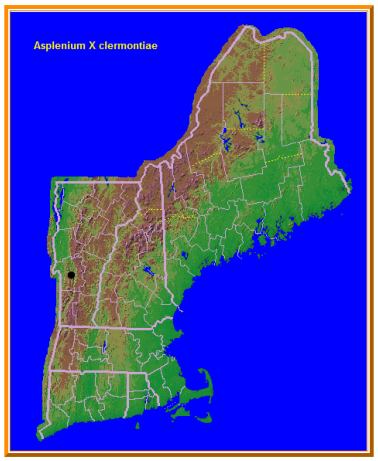


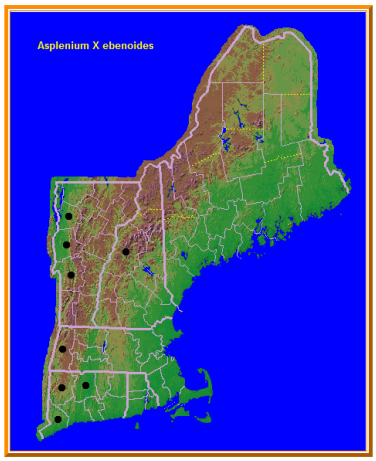
Asplenium rhizophyllum Linnaeus - **Walking Fern**. 2n = 72.
Shaded, basic or circumneutral rocks, rarely on earth or at tree bases. [*Camptosorus rhizophyllus* (Linnaeus) Link]

Asplenium ruta-muraria Linnaeus - **Wall-rue**. 2n = (72), 144.
Shaded crevices of calcareous cliffs and ledges. [*A. cryptolepis* Fernald; *A. ruta-muraria* var. *cryptolepis* (Fernald) Wherry]

Asplenium trichomanes Linnaeus - **Maidenhair Spleenwort**. 2n = 72, (108), 144, (162), (216), (288).
Shaded crevices of mainly calcareous rocks (occasionally on crumbling mortar). [*A. trichomanes* subsp. *quadrivalens* D.E. Meyer]





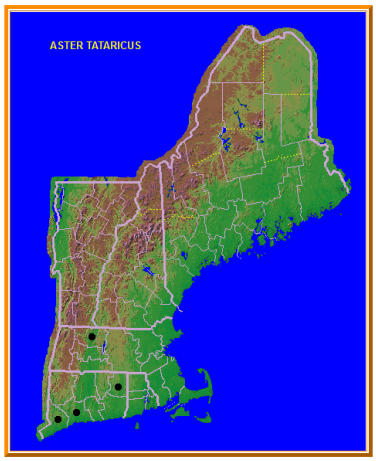


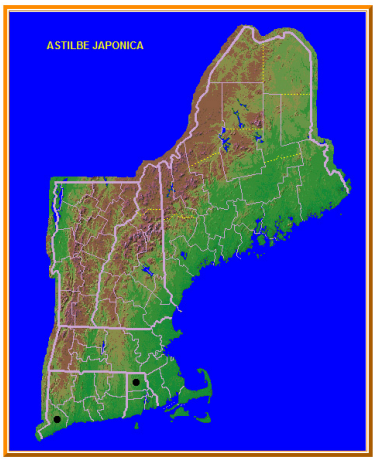
Asplenium viride Hudson - **Green Spleenwort**. 2n = 72.
Shaded, moist crevices and talus of calcareous and serpentine rocks and outcrops. [*A. trichomanes-ramosum* Linnaeus - invalid name]

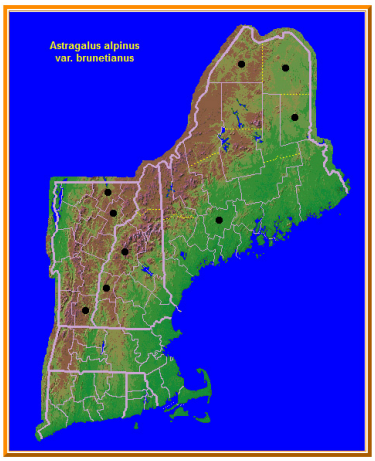
Asplenium hybrids

Asplenium X ***clermontiae*** Syme - .
[*A. ruta-muraria* Linnaeus X *A. trichomanes* Linnaeus]

Asplenium X ***ebenoides*** R.R. Scott (*pro species*) - Scott's Spleenwort - .
[*A. platyneuron* (Linnaeus) Britton, Sterns, & Poggenburg X *A. rhizophyllum* Linnaeus; X *Asplenosorus ebenoides* (R.R. Scott (*pro species*)) Wherry]







ASTER (Family: Asteraceae)

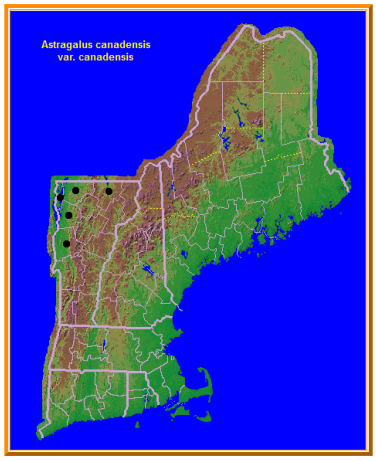
ASTER TATARICUS Linnaeus (son) - **Shion**. 2n = 54.
Roadsides, waste places. From northern Asia.

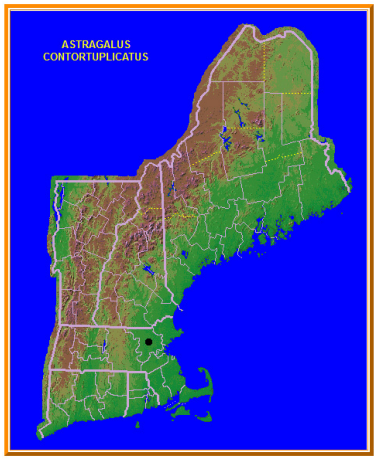
ASTILBE (Family: Saxifragaceae)

ASTILBE JAPONICA (C. Morren & Decaisne) A. Gray - **False Spiraea**. 2n = 14.
Waste places, roadsides. From Japan.

ASTRAGALUS (Family: Fabaceae)

Astragalus alpinus Linnaeus var. ***brunetianus*** Fernald - **Northern Milk-vetch**. 2n = ?
Calcareous river ledges and gravels.

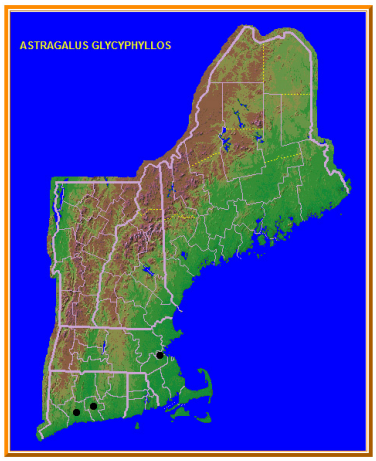


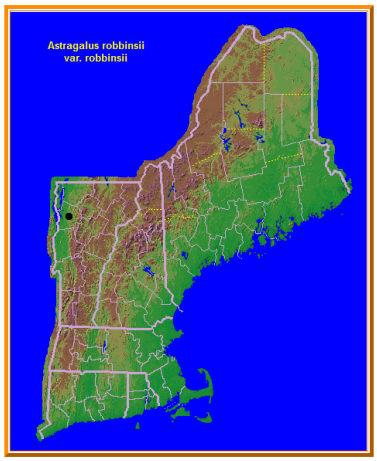


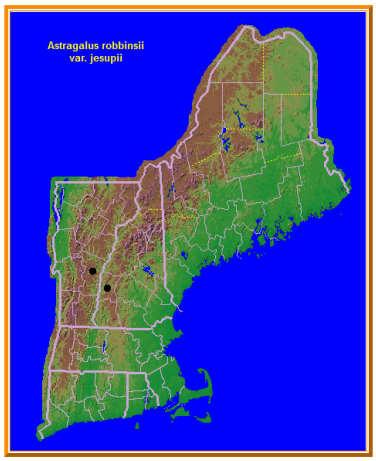
Astragalus canadensis Linnaeus var. ***canadensis*** - . 2n = 16.
Shores.

ASTRAGALUS CONTORTUPLICATUS Linnaeus - **Hungarian Milk-vetch**. 2n = 16.
Wool waste. From Eurasia.

Astragalus eucosmus B.L. Robinson - . 2n = 32.
Calcareous, rocky or gravelly shores of streams.



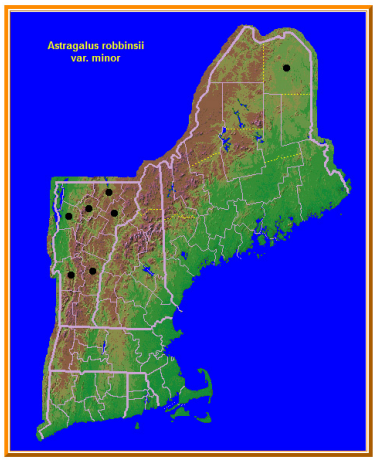


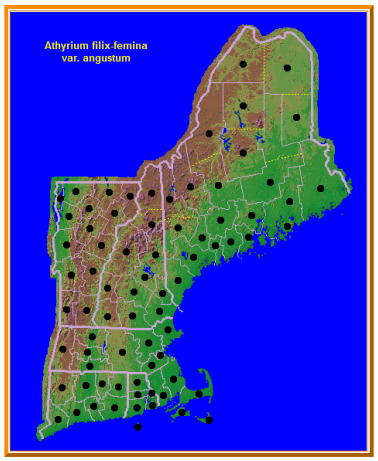


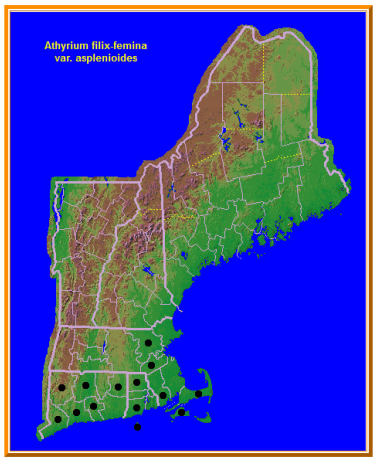
ASTRAGALUS GLYCYPHYLLOS Linnaeus - **Liquorice Milk-vetch**. 2n = 16.
Roadsides, waste places. From Eurasia.

Astragalus robbinsii (Oakes) A. Gray var. ***robbinsii*** - . 2n = ?
Dry, calcareous ledges above water. [considered to be extinct since 1894]

Astragalus robbinsii (Oakes) A. Gray var. ***jesupii*** Eggleston & E. Sheldon - . 2n = ?
Rocky stream banks. [*A. jesupii* (Eggleston & E. Sheldon) Britton].





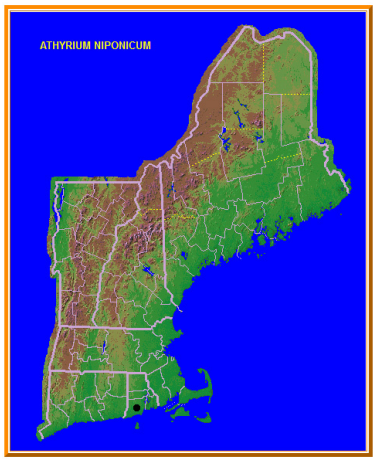


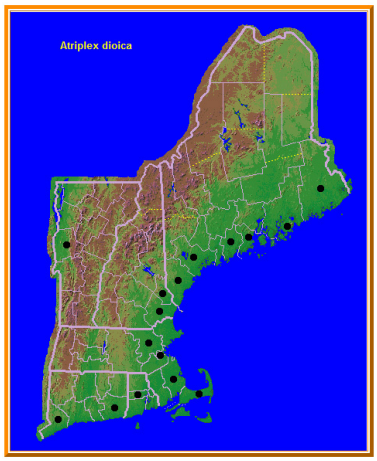
Astragalus robbinsii (Oakes) A. Gray var. ***minor*** (Hooker) Barneby - . 2n = ?
Calcareous, ledges, cliffs and talus. [*A. blakei* Eggleston]

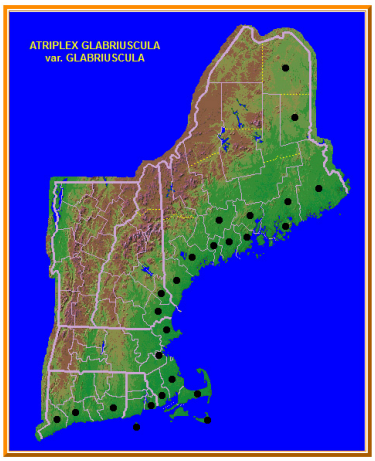
ATHYRIUM (Family: Athyriaceae)

Athyrium filix-femina (Linnaeus) Roth *ex* Mertens var. ***angustum*** (Willdenow) G. Lawson - **Lady Fern**. 2n = 80.
Moist woods, thickets, ravines, fields, meadows and swamps. [*A. filix-femina* var. *michauxii* (Sprengel) Farwell]

Athyrium filix-femina (Linnaeus) Roth *ex* Mertens var. ***asplenioides*** (Michaux) Farwell - **Southern Lady Fern**. 2n = 80.
Moist woods, thickets, swamps, meadows.





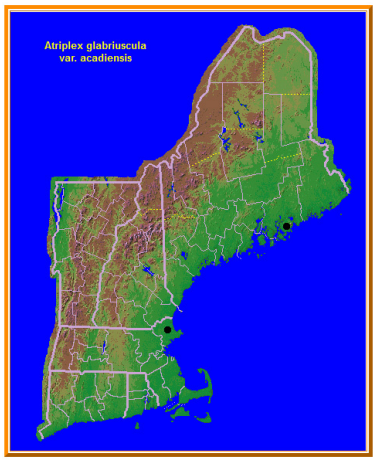


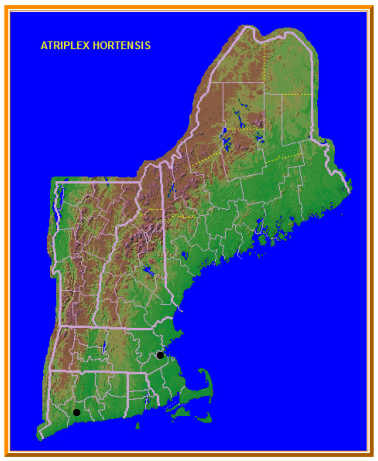
ATHYRIUM NIPONICUM (Mettenius) Hance - **Japanese Painted Fern**. 2n = 80.
Rock wall, crevices between paving stones. From east Asia.

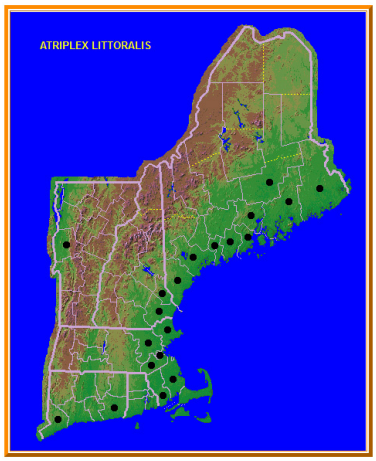
ATRIPLEX (Family: Amaranthaceae)

Atriplex dioica Rafinesque - **Saline Saltbush**. 2n = 36, 54.
Sea beaches. [*A. subspicata* (Nuttall) Rydberg]

ATRIPLEX GLABRIUSCULA Edmondston var. ***GLABRIUSCULA*** - **Scotland Orach**. 2n = 18.
Sea beaches, salt marshes, waste places. From north coastal Europe.



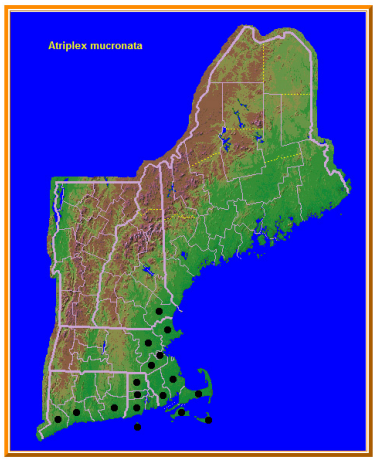


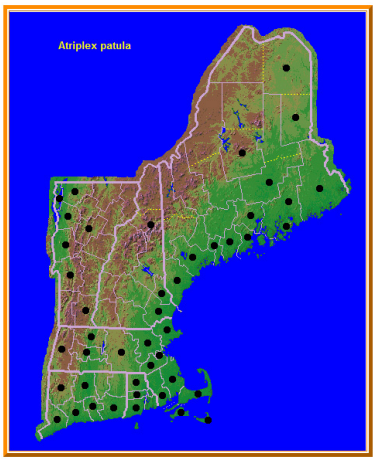


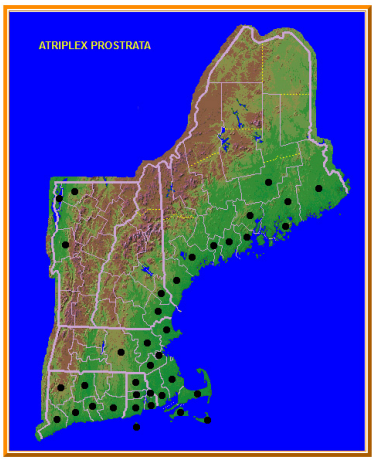
Atriplex glabriuscula Edmondston var. ***acadiensis*** (Taschereau) S.L. Welsh - **Acadian Orach**. 2n = 36.
Salt marshes with *Spartina patens*. [*A. acadiensis* Tascherau]

ATRIPLEX HORTENSIS Linnaeus - **Garden Orach**. 2n = 18.
Roadsides, disturbed soil. From Asia.

ATRIPLEX LITTORALIS Linnaeus - **Grass-leaved Orach**. 2n = 18.
Sea beaches, ballast dumps. From Europe. [*A. PATULA* Linnaeus subsp. *LITTORALIS* (Linnaeus) H.M. Hall & Clements]



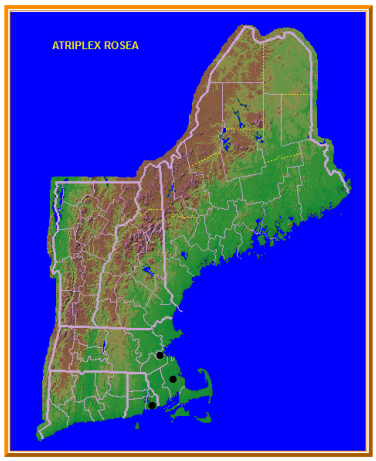


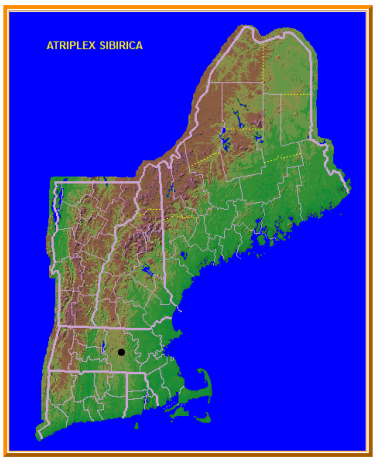


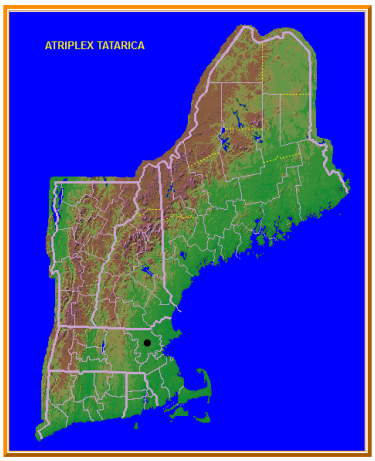
Atriplex mucronata Rafinesque - **Seabeach Orach**. 2n = 18.
Sandy, sea beaches, salt marsh borders. [*A. arenaria* Nuttall; *A. cristata* Humboldt & Bonpland *ex* Willdenow var. *arenaria* (Nuttall) Kuntze]

Atriplex patula Linnaeus - **Spearscale**. 2n = (18), 36.
Sea beaches, roadsides, fields.

ATRIPLEX PROSTRATA Boucher *ex* de Candolle - **Fat-hen**. 2n = 18, (36).
Sea beaches, salt marshes. From Eurasia. [*A. HASTATA* misapplied; A. PATULA Linnaeus var. *HASTATA* misapplied]



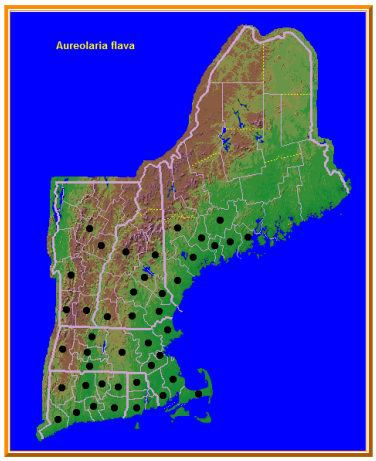


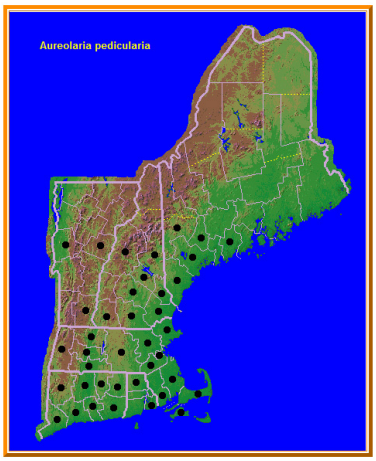


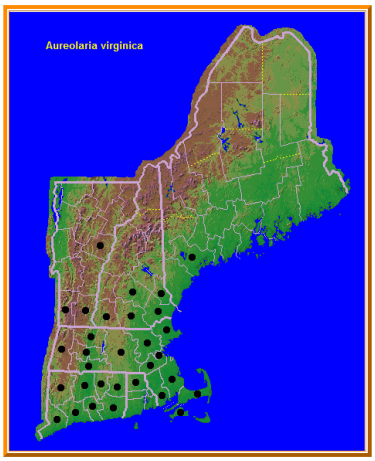
ATRIPLEX ROSEA Linnaeus - **Tumbling Orach**. 2n = 18.
Salty flats, waste places, roadsides. From Eurasia.

ATRIPLEX SIBIRICA Linnaeus - **Siberian Orach**. 2n = 18.
Wool waste. From central and eastern Asia.

ATRIPLEX TATARICA Linnaeus - **Tatarian Orach**. 2n = 18, (36).
Waste places, ballast. From Eurasia.





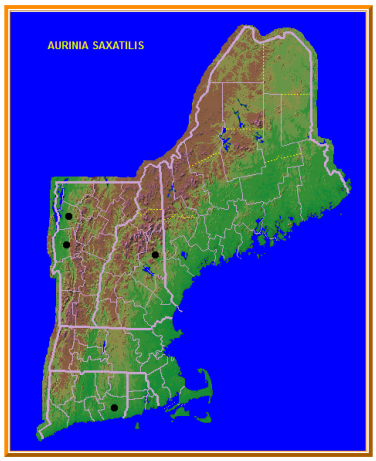


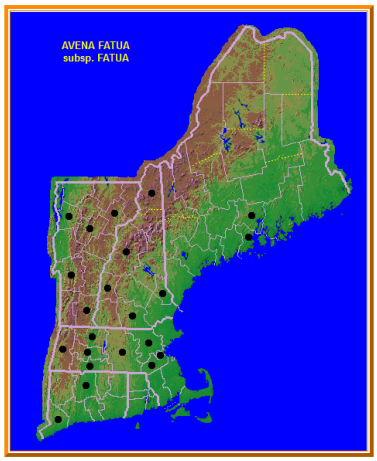
AUREOLARIA (Family: Orobanchaceae)

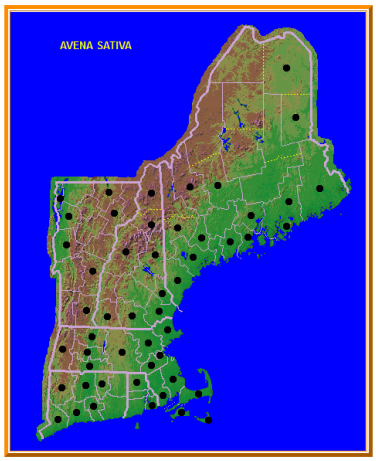
Aureolaria flava (Linnaeus) Farwell - . 2n = 24.
Dry, open, usually oak or oak-pine woods, roadsides. [*Gerardia flava* Linnaeus]

Aureolaria pedicularia (Linnaeus) Rafinesque *ex* Pennell - . 2n = 28.
Dry, open deciduous woods and clearings, roadsides, usually in sandy soil, typically parasitizing species of *Quercus*. [A. *pedicularia* var. *intercedens* Pennell; *Gerardia pedicularia* Linnaeus var. *pedicularia*; *G. pedicularia* var. *intercedens* (Pennell) Fernald]

Aureolaria virginica (Linnaeus) Pennell - **Downy False Foxglove**. 2n = 26.
Dry, open woods, usually pine and oak. [*Gerardia virginica* (Linnaeus) Britton, Sterns & Poggenburg]







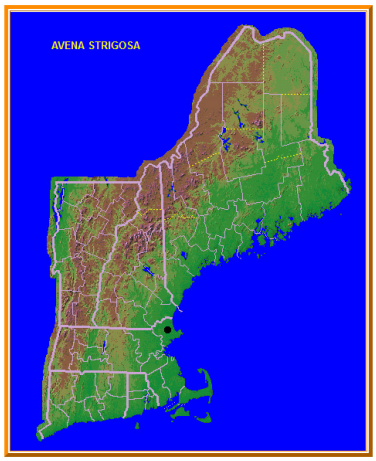
AURINIA (Family: Brassicaceae)

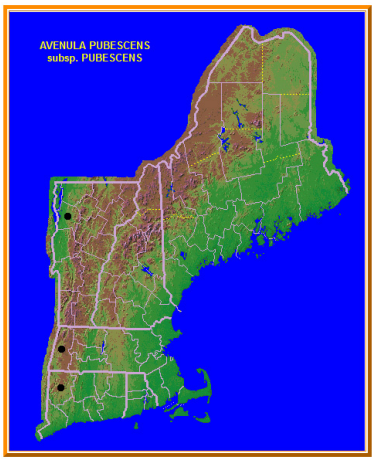
AURINIA SAXATILIS (Linnaeus) Desvaux - **Basket-of-gold**. 2n = 16.
Rock outcrops. From Eurasia. [*ALYSSUM SAXATILE* Linnaeus]

AVENA (Family: Poaceae)

AVENA FATUA Linnaeus subsp. ***FATUA*** - **Wild Oat**. 2n = (14), (28), 42.
Waste places. From Europe.

AVENA SATIVA Linnaeus - **Oat**. 2n = (20), 42, (48).
Waste places, roadsides. From Europe. [*A. SATIVA* var. *ORIENTALIS* (Schreber) Alefeld]





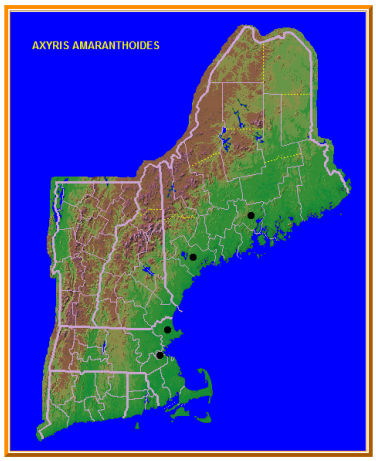
AVENA STRIGOSA Schreber - . 2n = 14, (28).
From Europe.

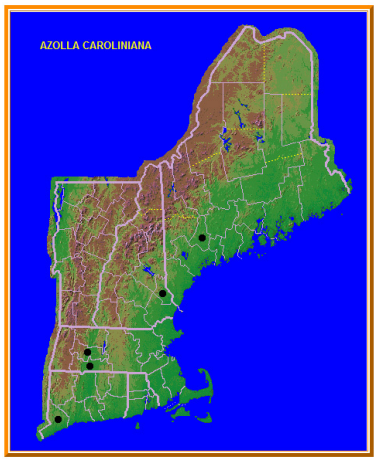
AVENELLA (Family: Poaceae)

Avenella flexuosa (Linnaeus) Drejer - **Common Hairgrass**. 2n = (14), (26), 28,(56).
Dry open soil, ledges. [*Deschampsia flexuosa* (Linnaeus) Trinius]

AVENULA (Family: Poaceae)

AVENULA PUBESCENS (Hudson) Dumort subsp. ***PUBESCENS*** - . 2n = 14 + (0-2)B, (16), (28).
Fields, roadsides. From Europe. [*AVENA PUBESCENS* Hudson; *HELICTOTRICHON PUBESCENS* (Hudson) Pilger]



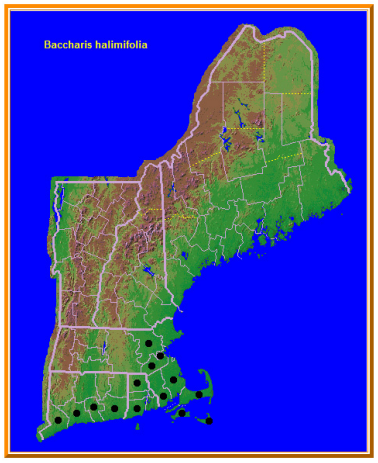


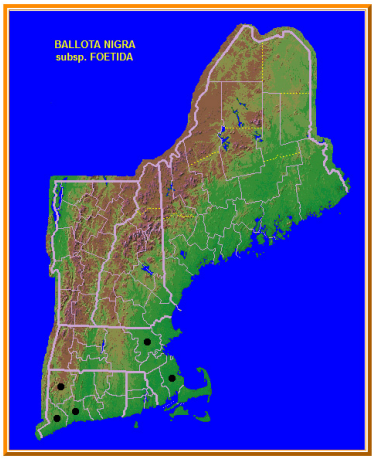
AXYRIS (Family: Amaranthaceae)

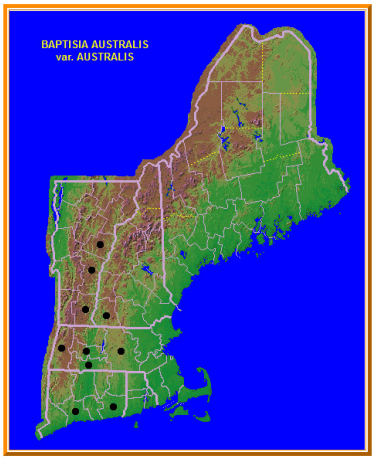
AXYRIS AMARANTHOIDES Linnaeus - **Russian Pigweed**. 2n = 18.
Waste places, roadsides, fields. From Eurasia.

AZOLLA (Family: Salviniaceae)

AZOLLA CAROLINIANA Willdenow - **Mosquito Fern** n = 48; 2n = 44, 66.
Floating in quiet waters. From south of our range.







BACCHARIS (Family: Asteraceae)

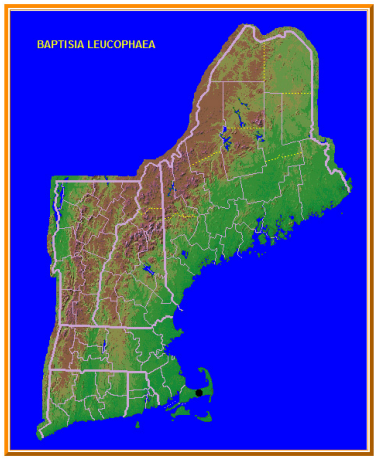
Baccharis halimifolia Linnaeus - **Sea-myrtle**. 2n = 18.
Salt marshes, waste places.

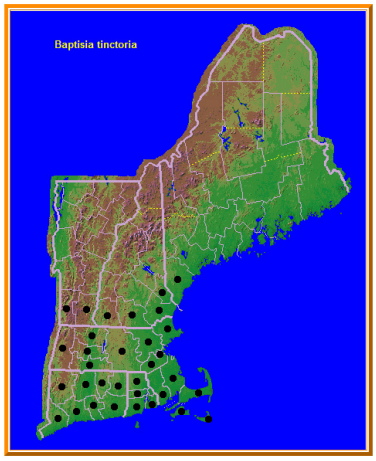
BALLOTA (Family: Lamiaceae)

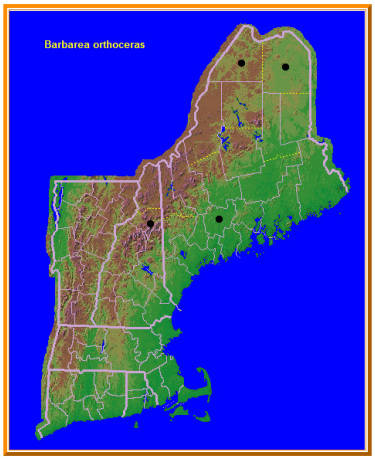
BALLOTA NIGRA Linnaeus subsp. ***FOETIDA*** - **Black Horehound**. 2n = (18), 20, 22.
Waste places, roadsides, calcareous hillsides. From Eurasia, northwestern Africa.

BAPTISIA (Family: Fabaceae)

BAPTISIA AUSTRALIS (Linnaeus) R. Brown var. ***AUSTRALIS*** - **Blue False Indigo**. 2n = 18.
Roadsides, fields, thickets, shores. From farther south and west.





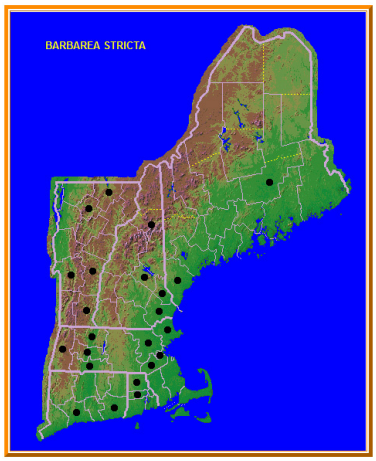


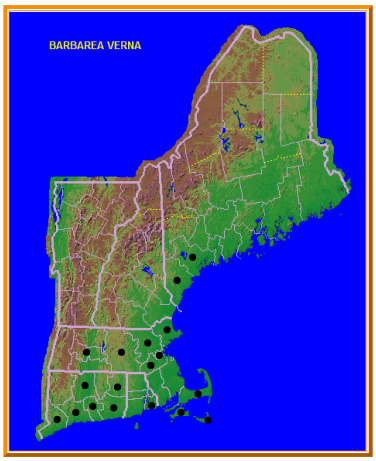
BAPTISIA LEUCOPHAEA Nuttall - . 2n = ?
Railroads in dry sand. From farther west. [*B. LEUCOPHAEA* var. *GLABRESCENS* Larisey; *B. BRACTEATA* Muhlenberg *ex* Elliott var. *GLABRESCENS* (Larisey) Isely; *B. BRACTEATA* var. *LEUCOPHAEA* (Nuttall) Kartesz & Gandhi]

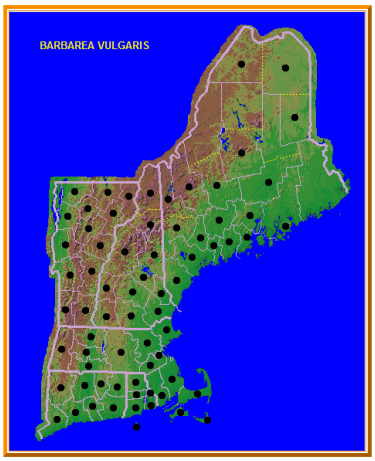
Baptisia tinctoria (Linnaeus) R. Brown - **Wild Indigo**. 2n = 18.
Dry fields, dry, open woods and clearings, in sterile or sandy soil. [*B. tinctoria* var. *crebra* Fernald]

BARBAREA (Family: Brassicaceae)

Barbarea orthoceras Ledebour - **American Yellow-rocket**. 2n = 16.
Streambanks, swamps, wet rocks.



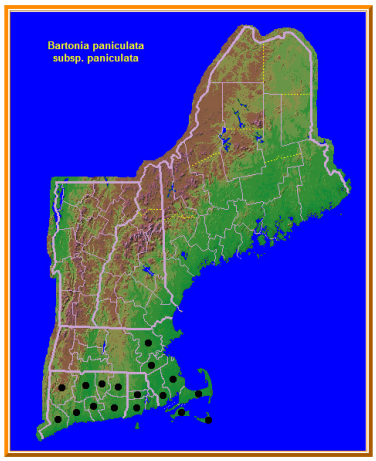


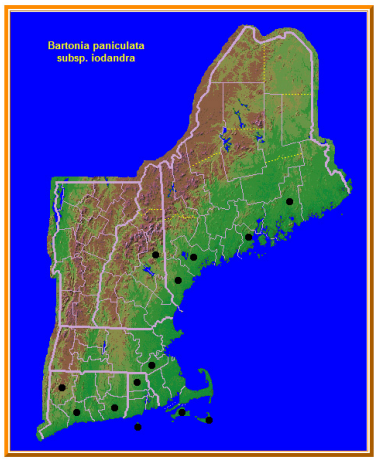


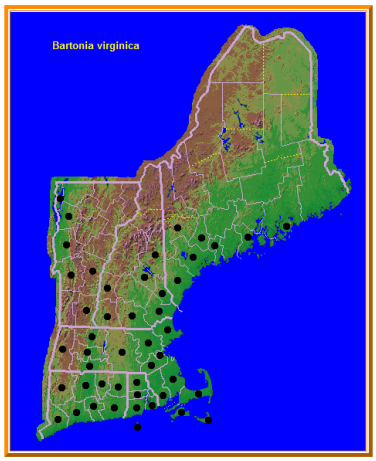
BARBAREA STRICTA Andrzejowski - **Small-flowered Winter-cress**. 2n = 16.
Roadsides, waste places, fields, usually in moist soil. From Eurasia. [*B. VULGARIS* W.T. Aiton - (in part) misapplied]

BARBAREA VERNA (Miller) Ascherson - **Early Winter-cress**. 2n = 16.
Roadsides, fields, waste places. From Eurasia.

BARBAREA VULGARIS W.T. Aiton - **Common Winter-cress**. 2n = 16.
Roadsides, fields, waste places, usually in moist soil. From Eurasia, northern Africa. [*B. VULGARIS* var. *ARCUATA* (Opiz *ex* J. Presl & C. Presl) Fries; *B. VULGARIS* var. *BRACHYCARPA* Rouy & Foucaud]





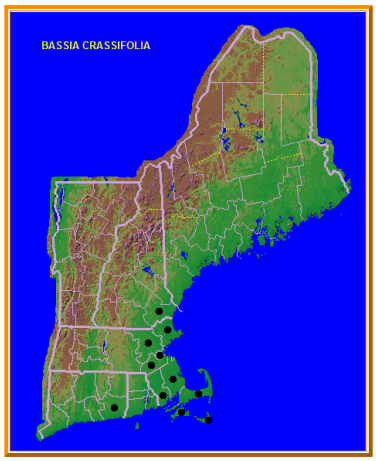


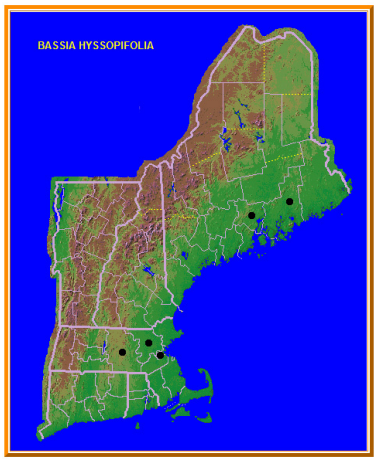
BARTONIA (Family: Gentianaceae)

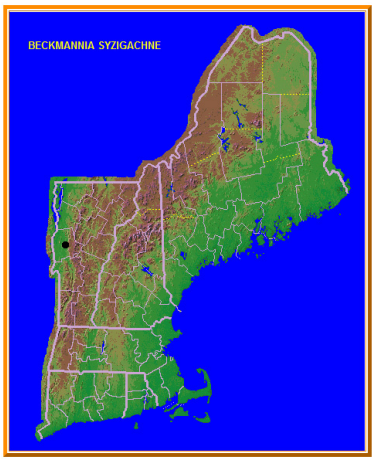
Bartonia paniculata (Michaux) Muhlenberg subsp. ***paniculata*** - **Screw-stem**. 2n = 52.
Swamps, wet woods, bogs, sphagnous or sandy pond and lake margins, meadows.

Bartonia paniculata (Michaux) Muhlenberg subsp. ***iodandra*** (B.L. Robinson) J.M. Gillett - . 2n = ?
Bogs, sphagnous lake and pond margins.

Bartonia virginica (Linnaeus) Britton, Sterns & Poggenburg - . 2n = 52.
Meadows, clearings, fields, mounds in swampy woods, bog margins, wet, open woods, acid soil.







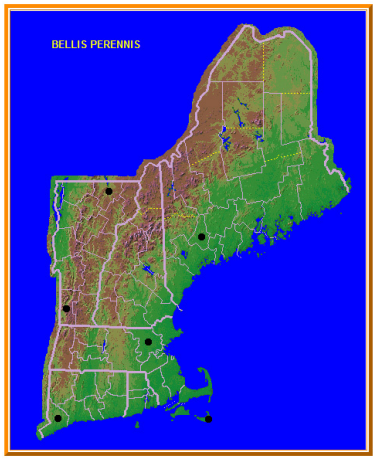
BASSIA (Family: Amaranthaceae)

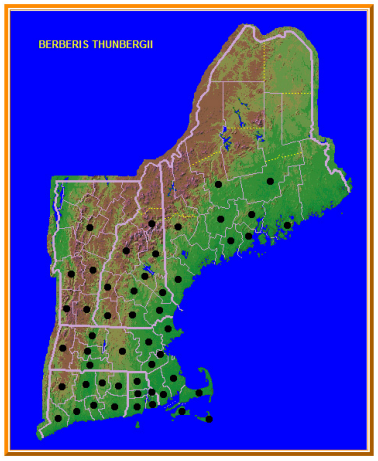
BASSIA CRASSIFOLIA (Pallas) Soldano - **Hairy Smotherweed**. 2n = 18.
Weedy salt marshes, seashores, coastal dunes. From Eurasia. [*B. HIRSUTA* (Linnaeus) Ascherson - illegitimate name] Note: *B. CRASSIFOLIA* (Pallas) Soldano has appeared in various checklists as the alternative, valid name for the long-used, illegitimate name *B. HIRSUTA* (Linnaeus) Ascherson. But the basis for this substitution is not known.

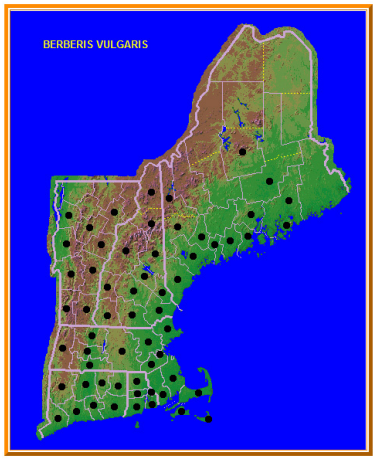
BASSIA HYSSOPIFOLIA (Pallas) Kuntze - **Fivehorn Smotherweed**. 2n = 18.
Waste places. From Eurasia.

BECKMANNIA (Family: Poaceae)

BECKMANNIA SYZIGACHNE (Steudel) Fernald - **American Sloughgrass**. 2n = 14.
Wet, disturbed areas. From farther west and north.







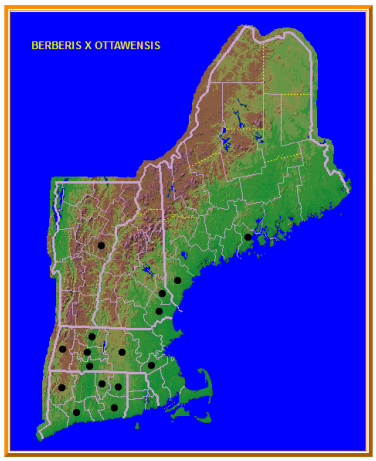
BELLIS (Family: Asteraceae)

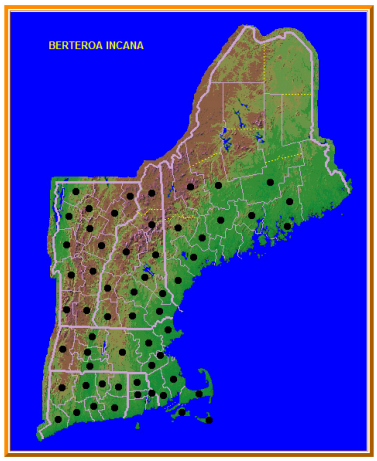
BELLIS PERENNIS Linnaeus - **English Daisy**. 2n = 18.
Waste places, roadsides. From Eurasia, northern Africa.

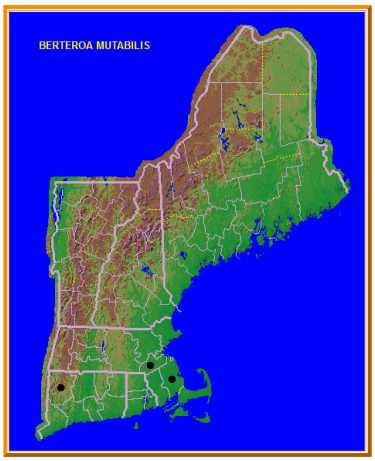
BERBERIS (Family: Berberidaceae)

BERBERIS THUNBERGII de Candolle - **Japanese Barberry**. 2n = 28.
Woods, old fields, pastures, roadsides and other open habitats. From eastern Asia.

BERBERIS VULGARIS Linnaeus - **Common Barberry**. 2n = 28.
Thickets, pastures, fencerows, roadsides, open woods. From Europe.







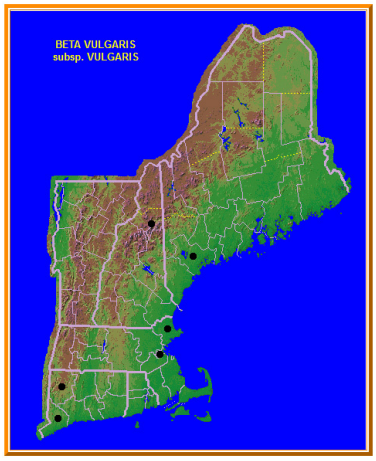
***Berberis* hybrid**

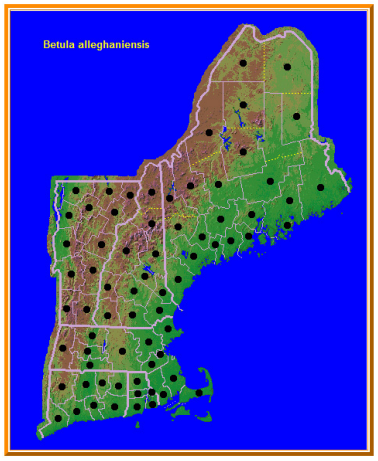
BERBERIS X ***OTTAWENSIS*** C.K. Schneider - .
[*B. THUNBERGII* de Candolle X *B. VULGARIS* Linnaeus]

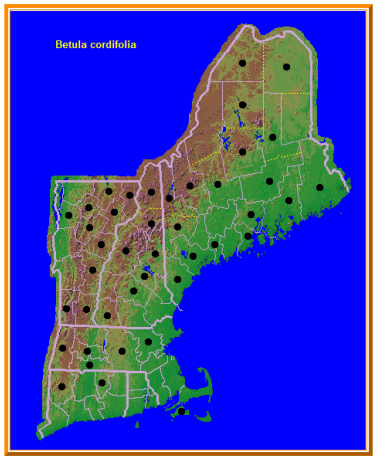
BERTEROA (Family: Brassicaceae)

BERTEROA INCANA (Linnaeus) de Candolle - **Hoary Alyssum**. 2n = 16.
Dry fields, roadsides, waste places. From Eurasia.

BERTEROA MUTABILIS (Ventenat) de Candolle - . 2n = 16.
Roadsides, waste places. From Eurasia.







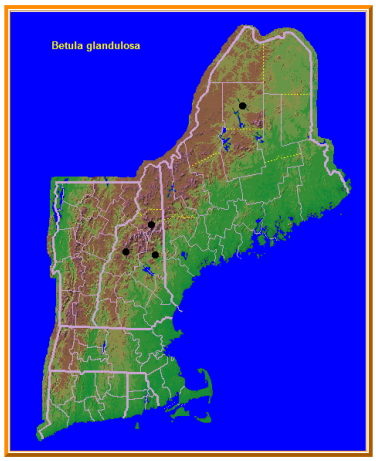
BETA (Family: Amaranthaceae)

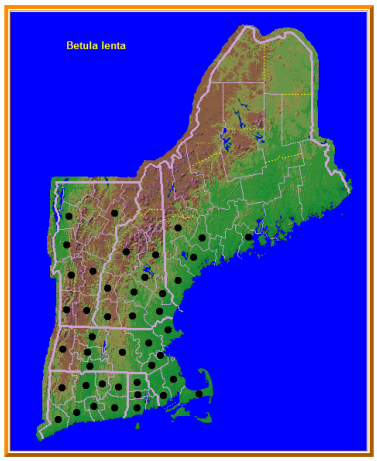
BETA VULGARIS Linnaeus subsp. ***VULGARIS*** - **Common Beet**. 2n = (9),18, (27), (36).
Waste places. From cultivation.

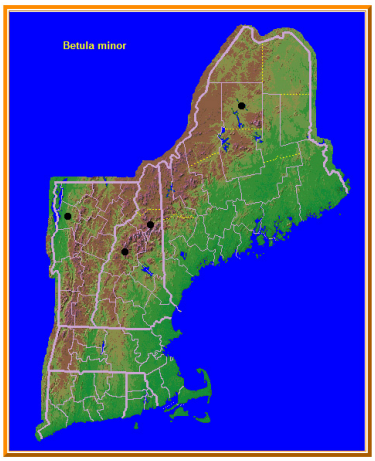
BETULA (Family: Betulaceae)

Betula alleghaniensis Britton - **Yellow Birch**. 2n = 84.
Rich, often wet, woods, rocky slopes, frequently on boulders. [*B. alleghaniensis* var. *macrolepis* (Fernald) Brayshaw; *B. lutea* F. Michaux - illegitimate name; *B. lutea* F. Michaux var. *macrolepis* Fernald]

Betula cordifolia Regel - **Mountain Paper Birch**. 2n = 28, (42), (56).
Moist, rocky slopes, often at upper elevations. [*B. papyrifera* Marshall var. *cordifolia* (Regel) Fernald]



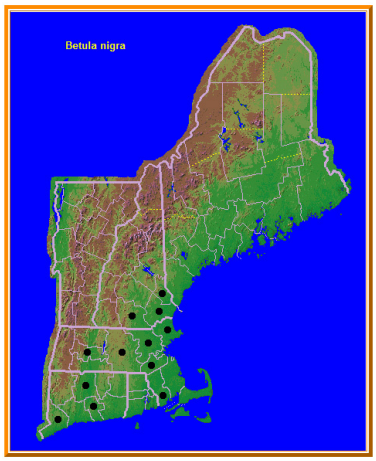


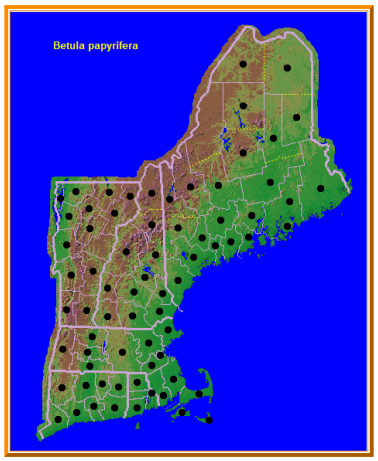


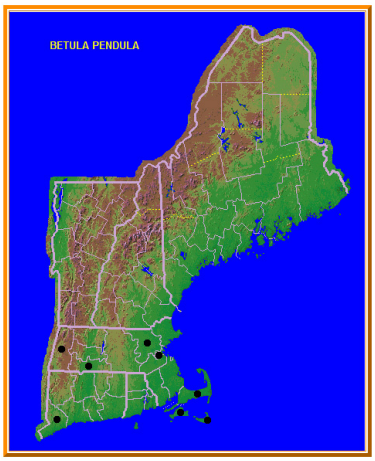
Betula glandulosa Michaux - **Dwarf Birch**. 2n = 28, (42).
Acidic, rocky barrens in subalpine areas. [*B. nana* misapplied]

Betula lenta Linnaeus - **Black Birch**. 2n = 28.
Rich woods.

Betula minor (Tuckerman) Fernald - **Dwarf White Birch**. 2n = 56.
Acidic, rocky barrens in subalpine areas.



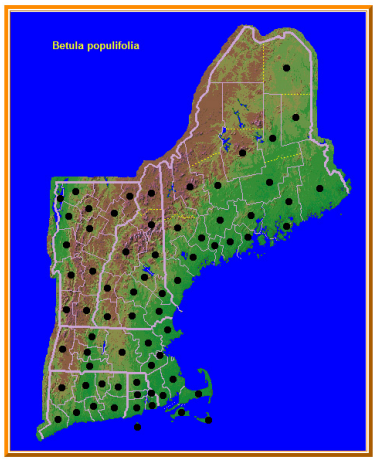


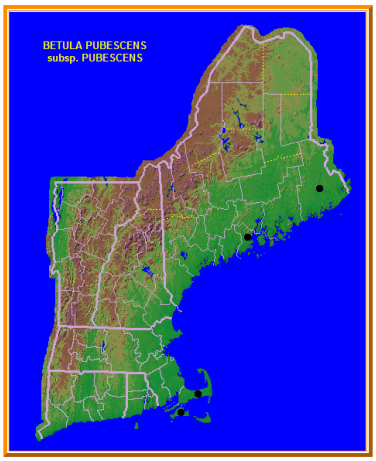


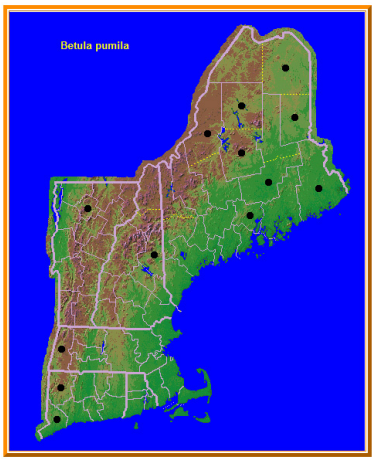
Betula nigra Linnaeus - **River Birch**. 2n = 28, (56).
Riverbanks, flood plains.

Betula papyrifera Marshall - **Paper Birch**. 2n = 56, 70, 84.
More or less open woods, especially on slopes. [*B. papyrifera* var. *commutata* (Regel) Fernald; *B. papyrifera* var. *macrostachya* Fernald; *B. papyrifera* var. *pensilis* Fernald]

BETULA PENDULA Roth - **European Weeping Birch**. 2n = 28, (42), (56).
Roadsides, thickets, salt marshes. From Eurasia.



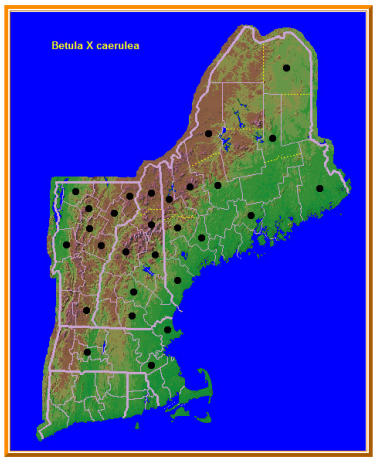


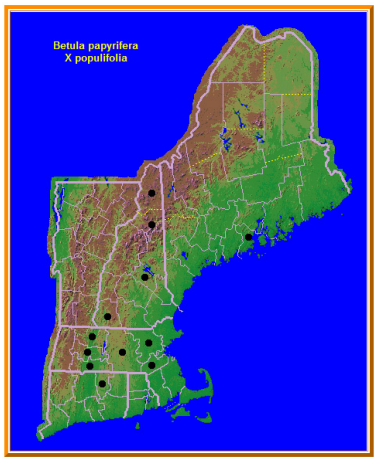


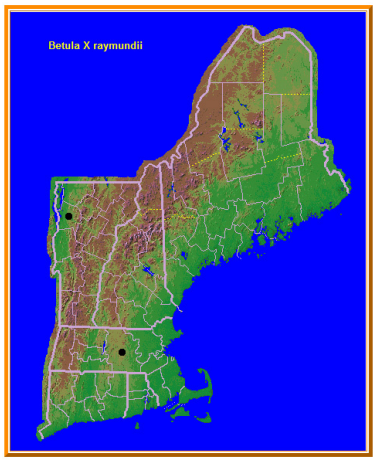
Betula populifolia Marshall - **Gray Birch**. 2n = 28.
Sterile, dry to wet soil, open woods, old fields, waste places.

BETULA PUBESCENS Ehrhart subsp. ***PUBESCENS*** - **European White Birch**. 2n = 56, (58), (112).
Roadsides, thickets. From Europe. [*B. ALBA* Linnaeus - a rejected name]

Betula pumila Linnaeus - **Swamp Birch**. 2n = 56.
Bogs, swamps (often calcareous). [*B. pumila* var. *glandulifera* Regel; B. *pumila* var. *renifolia* Fernald; *B. borealis* Spach]





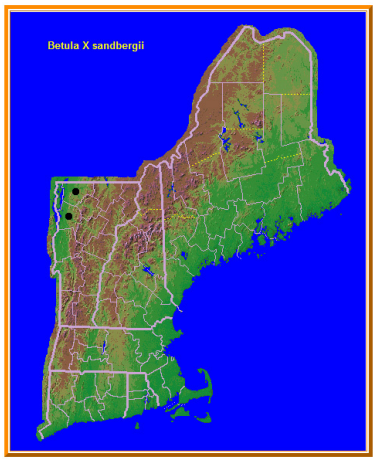


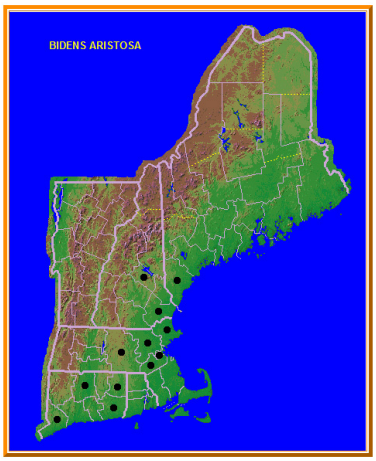
***Betula* hybrids**

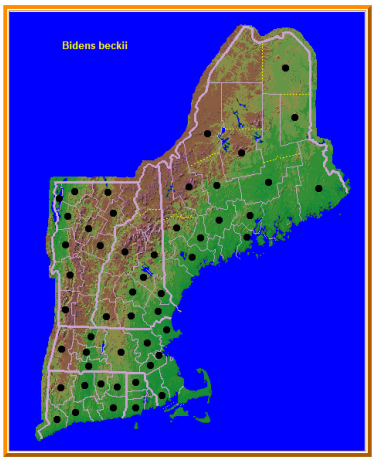
Betula X ***caerulea*** Blanchard (*pro species*) - .
[*B. cordifolia* Regel X *B. populifolia* Marshall; *B. caerulea-grandis* Blanchard]

Betula papyrifera Marshall X ***B. populifolia*** Marshall - .

Betula X ***raymundii*** Lepage - .
[*B. populifolia* Marshall X *B. pumila* Linnaeus]





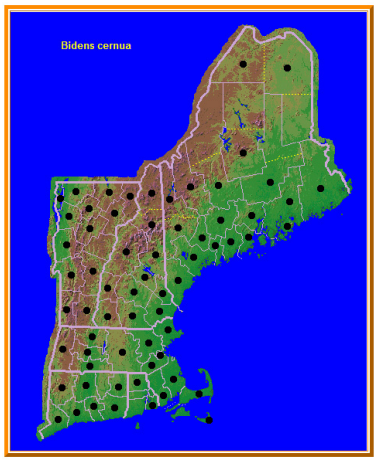


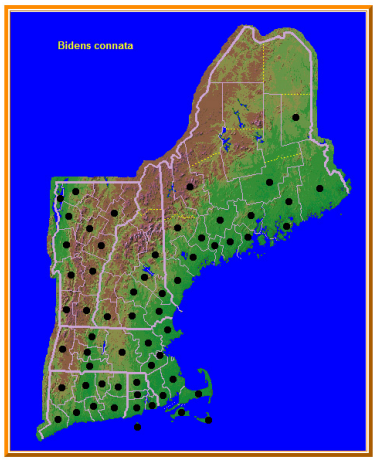
Betula X ***sandbergii*** Britton (*pro species*) - .
[*B. papyrifera* Marshall X *B. pumila* Linnaeus]

BIDENS (Family: Asteraceae)

BIDENS ARISTOSA (Michaux) Britton - **Midwestern Tickseed-sunflower**. 2n = ?
Waste places, fields. From farther west. [*B. ARISTOSA* var. *FRITCHEYI* Fernald; *B. ARISTOSA* var. *MUTICA* (A. Gray) Gattinger *ex* Fernald]

Bidens beckii Torrey *ex* Sprengel - **Water-marigold**. 2n = 24, 26, 36.
Ponds, slow streams. [*Megalodonta beckii* (Torrey *ex* Sprengel) Greene]

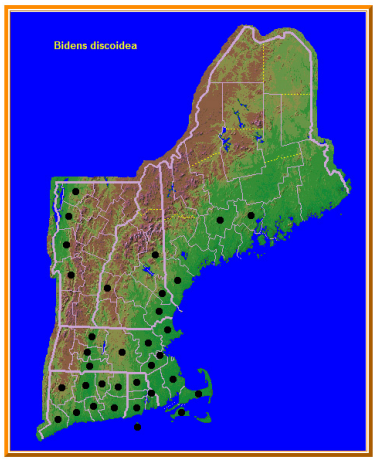


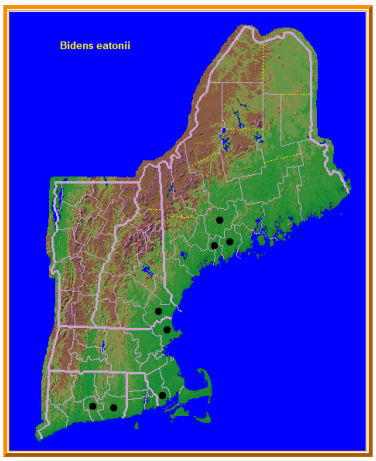


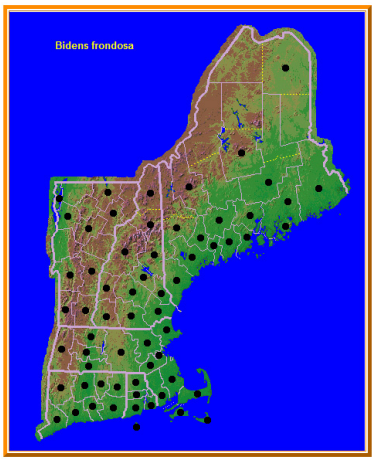
Bidens bipinnata Linnaeus - **Spanish-needles**. 2n = (24), (36), (48), 72.
Waste places, roadsides.

Bidens cernua Linnaeus - **Nodding Bur-marigold**. 2n = 24, (48).
Swamps, shores, wet ditches, bottomlands, marshes. [*B. cernua* var. *elliptica* Wiegand; *B. cernua* var. *integra* Wiegand; *B. cernua* var. *minima* (Hudson) Pursh; *B. cernua* var. *oligodonta* Fernald & H. St. John]

Bidens connata Muhlenberg *ex* Willdenow - **Swamp Beggar-ticks**. 2n = 48, (72).
Shores, swamps. [*B. connata* var. *fallax* (Warnstorf) Sherff; *B. connata* var. *gracilipes* Fernald; *B. connata* var. *petiolata* (Nuttall) Farwell]



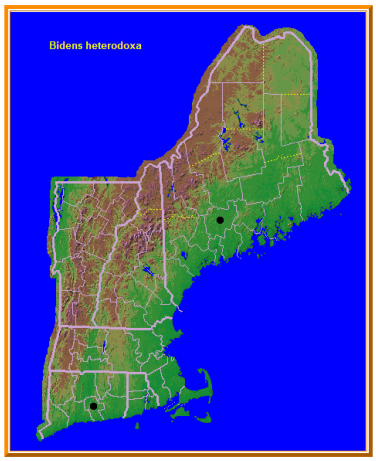


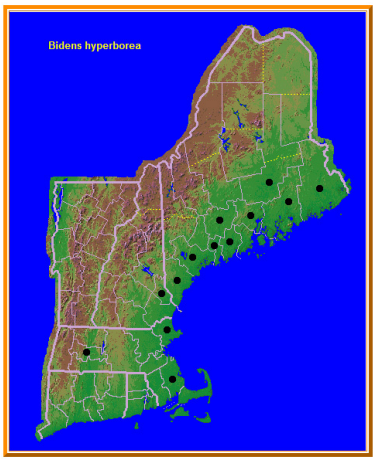


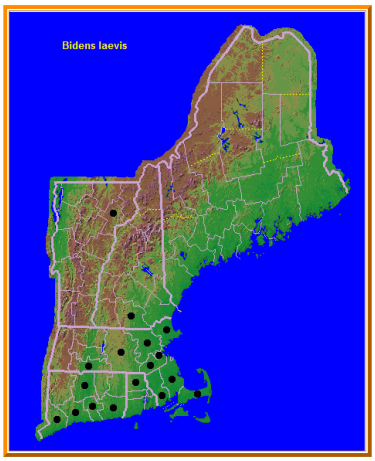
Bidens discoidea (Torrey & A. Gray) Britton - **Small Beggar-ticks**. 2n = 24.
Shores, swamps, marshes.

Bidens eatonii Fernald - . 2n = 48.
Tidal shores, estuaries and marshes. [*B. eatonii* var. *fallax* Fernald; *B. eatonii* var. *interstes* (Fassett) Fassett; *B. eatonii* var. *kennebecensis* Fernald; *B. eatonii* var. *major* Fassett; *B. eatonii* var. *mutabilis* Fassett; *B. eatonii* var. *simulans* Fassett]

Bidens frondosa Linnaeus - **Common Beggar-ticks**. 2n = 48.
Swamps, shores, damp, open places.



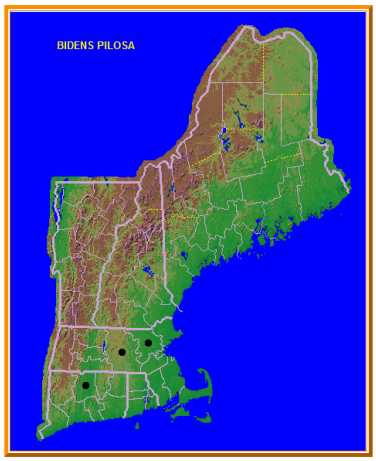


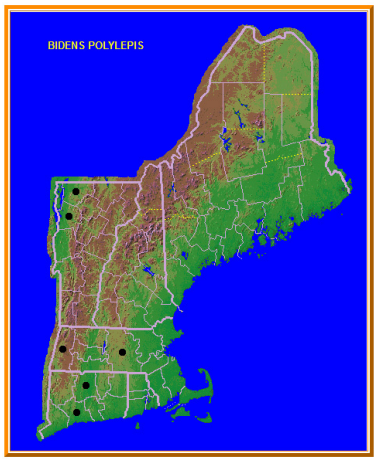


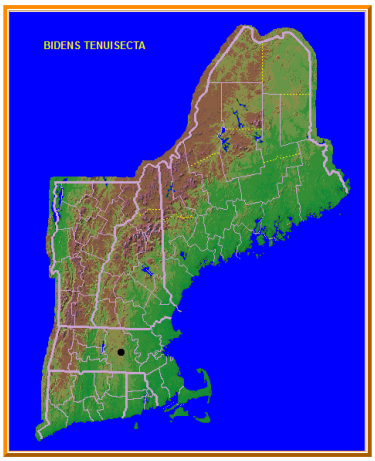
Bidens heterodoxa (Fernald) Fernald & H. St. John - . 2n = 48.
Lake shores. [*B. heterodoxa* var. *agnostica* Fernald; *B. heterodoxa* var. *monardifolia* Fernald]

Bidens hyperborea Greene - **Estuary Beggar-ticks**. 2n = (24), 36, (48).
Tidal mud-flats. [*B. hyperborea* var. *cathancensis* Fernald; *B. hyperborea* var. *colpophila* (Fernald & H. St. John) Fernald]

Bidens laevis (Linnaeus) Britton, Sterns & Poggenberg - **Larger Bur-marigold**. 2n = (22), 24, (72).
Marshes, shores of ponds and slow streams.



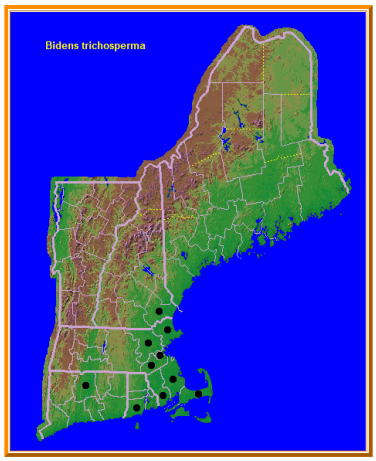


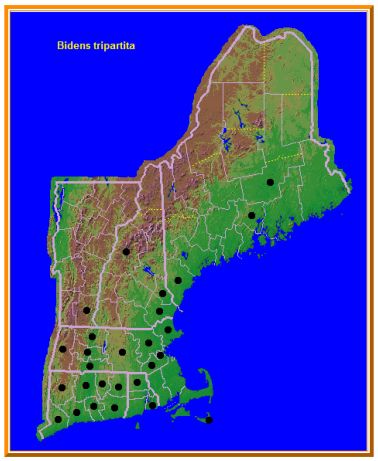


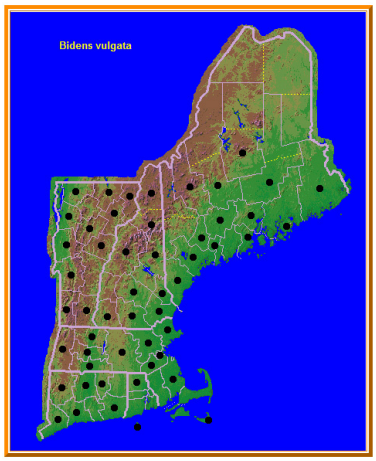
BIDENS PILOSA Linnaeus - **Cobblers'-pegs**. 2n = (24), (36), 48, (56), 72, (80).
Waste places. From Mexico, Central & South America. [*B. PILOSA* var. *RADIATA* (Schultz-Bipontinus) J.A. Schmidt]

BIDENS POLYLEPIS S.F. Blake - . 2n = 24.
Roadsides, low fields, marshes, waste places. From farther west and south.

BIDENS TENUISECTA A. Gray - . 2n = 24, (48).
Wool waste. From farther west.



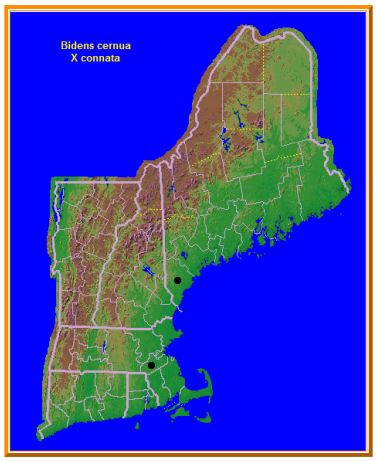


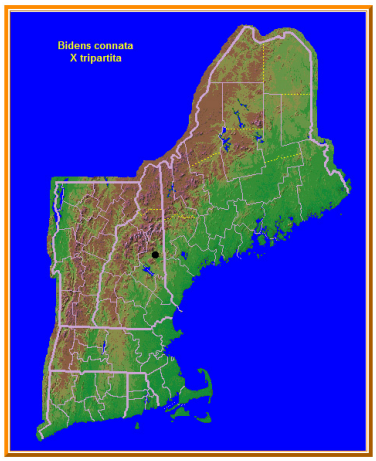


Bidens trichosperma (Michaux) Britton - **Tickseed-sunflower**. 2n = 24.
Meadows, swamps, bogs. [*B. coronata* (Linnaeus) Britton – invalid name; *B. coronata* (Linnaeus) Britton var. *brachyodonta* Fernald]

Bidens tripartita Linnaeus - . 2n = 48, (72).
Marshes, meadows, shores, other wet sites. [*B. comosa* (A. Gray) Wiegand]

Bidens vulgata Greene - **Tall Beggar-ticks**. 2n = 24, 48.
Low ground, ditches, roadsides, waste places, often in moist soil.



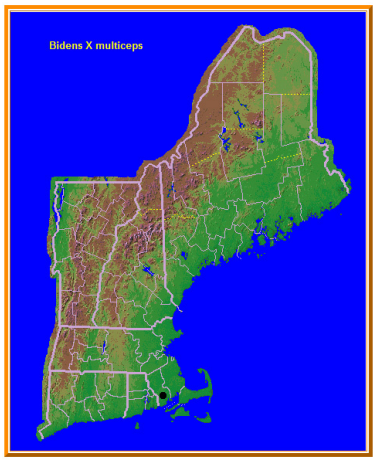


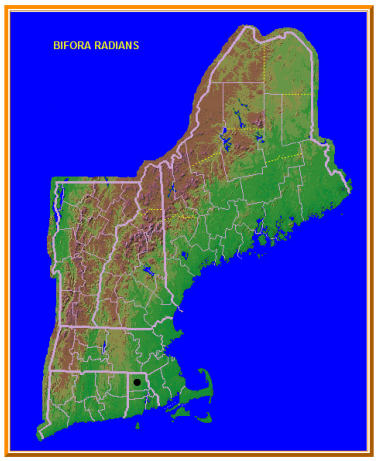
***Bidens* hybrids**

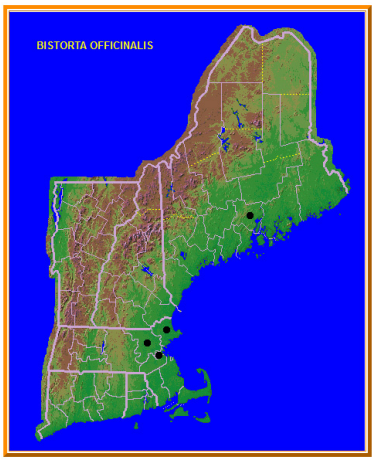
Bidens cernua Linnaeus X ***B. connata*** Muhlenberg *ex* Willdenow - .

Bidens cernua Linnaeus X ***B. hyperborea*** Greene - .

Bidens connata Muhlenberg *ex* Willdenow X ***B. tripartita*** Linnaeus - .







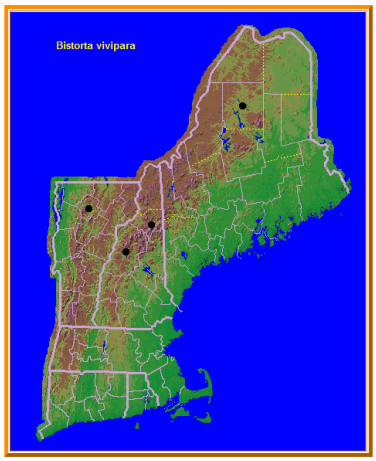
Bidens X ***multiceps*** Fassett - .
[*B. connata* Muhlenberg *ex* Willdenow X *B. eatonii* Fernald]

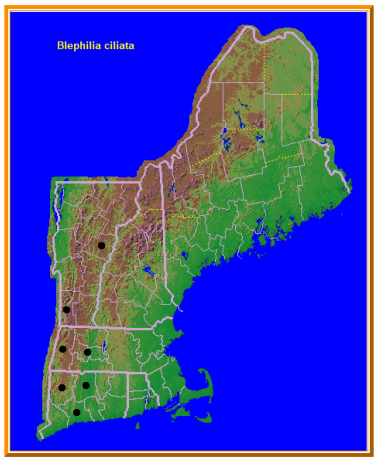
BIFORA (Family: Apiaceae)

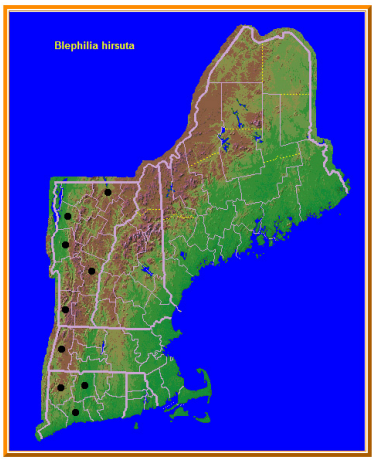
BIFORA RADIANS M. von Bieberstein - **Wild Bishop**. 2n = 20, (22).
Waste places. From Eurasia.

BISTORTA (Family: Polygonaceae)

BISTORTA OFFICINALIS Delarbre - **European Bistort**. 2n = 24, (46), 48, (84).
Fields, meadows, thickets. From Eurasia. [*POLYGONUM BISTORTA* Linnaeus]





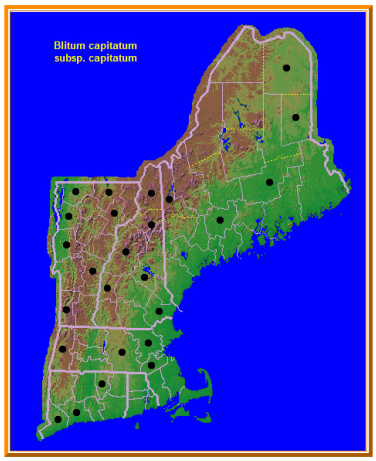


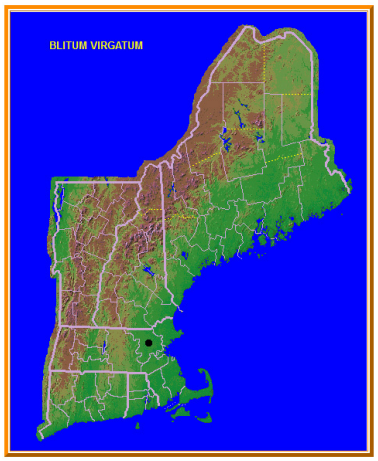
Bistorta vivipara (Linnaeus) Delarbre - **Alpine Bistort**. 2n = 96, (99), (100), 120, (132), (200).
Alpine areas. [*Polygonum viviparum* Linnaeus]

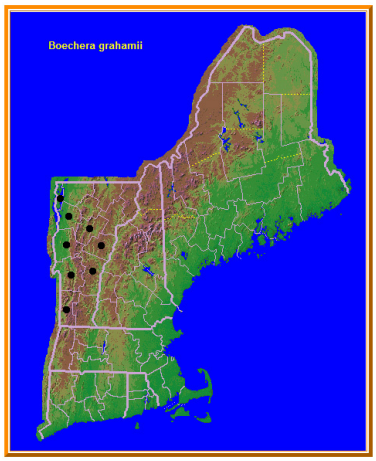
BLEPHILIA (Family: Lamiaceae)

Blephilia ciliata (Linnaeus) Bentham - . 2n = ?
Fields, river meadows, woodlands, roadsides, railroads.

Blephilia hirsuta (Pursh) Bentham - . 2n = ?
Moist woodlands, dry fields. [*B. hirsuta* var. *glabrata* Fernald]







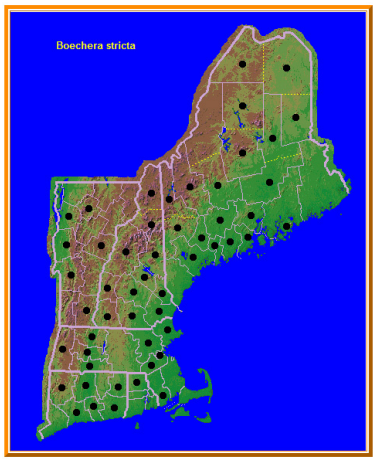
BLITUM (Family: Amaranthaceae)

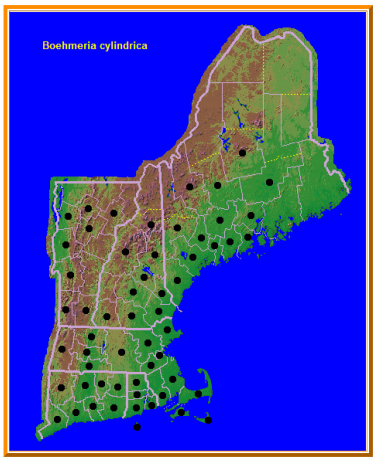
Blitum capitatum Linnaeus subsp. ***capitatum*** - **Strawberry-blite**. 2n = 18.
Open woods, clearings. [*Chenopodium capitatum* (Linnaeus) Ambrosi]

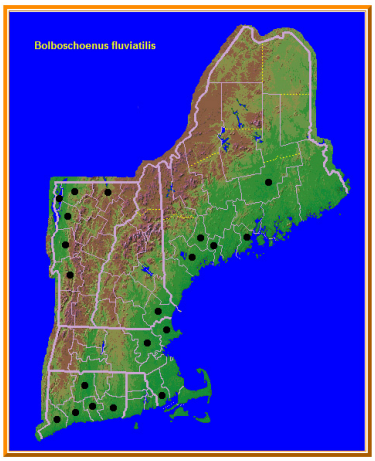
BLITUM VIRGATUM Linnaeus - **Strawberry Spinach**. 2n = 18.
Waste places. From Eurasia, northern Africa. [*CHENOPODIUM FOLIOSUM* Ascherson]

BOECHERA (Family: Brassicaceae)

Boechera grahamii (Lehmann) Windham & Al-Shehbaz - **Purple Rock-cress**. 2n = 21, 42.
Ledges. [*Arabis brachycarpa* (Torrey & A. Gray) Britton - illegitimate name; *Arabis divaricarpa* - misapplied]







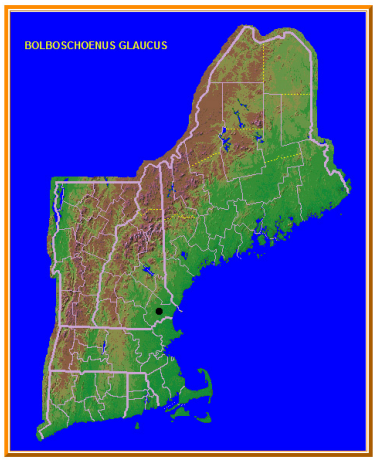
Boechera stricta (Graham) Al-Shehbaz - **Drummond's Rock-cress**. 2n = 14, (21), (28).
Rocky slopes, ledges. [*Arabis drummondii* A. Gray]

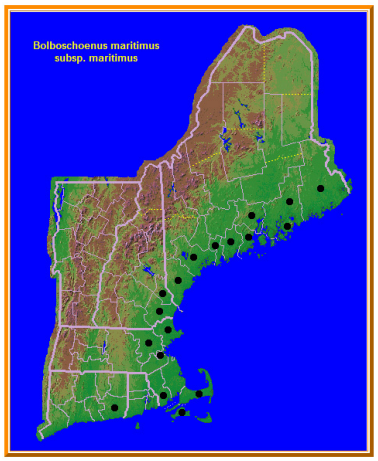
BOEHMERIA (Family: Urticaceae)

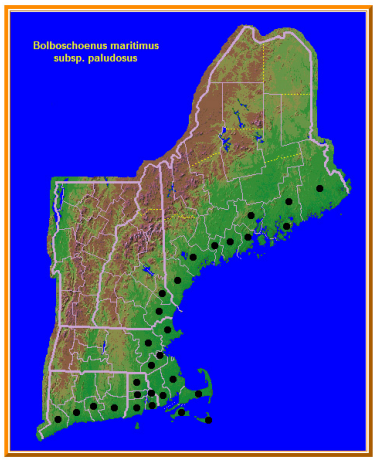
Boehmeria cylindrica (Linnaeus) Swartz - **False Nettle**. 2n = 28.
Moist or wet soil. [*B. cylindrica* var. *drummondiana* (Weddell) Weddell]

BOLBOSCHOENUS (Family: Cyperaceae)

Bolboschoenus fluviatilis (Torrey) Soják - **River Bulrush**. 2n = ca. 94, 104, 110.
Freshwater shores, inland marshes. [*Scirpus fluviatilis* (Torrey) A. Gray]



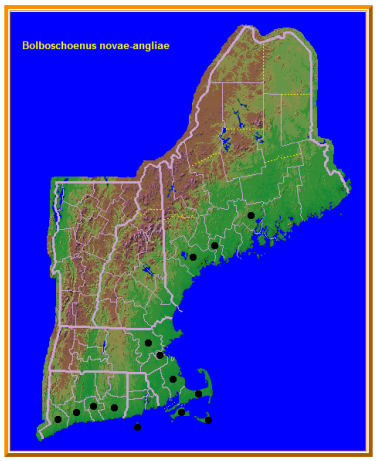


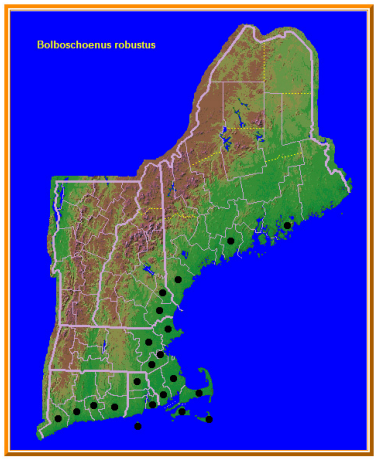


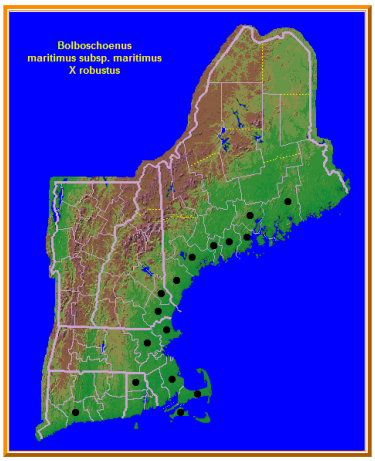
BOLBOSCHOENUS GLAUCUS (Lamarck) S.G. Smith - . 2n = 110.
Disturbed freshwater shores, inland marshes. From Eurasia, Africa.

Bolboschoenus maritimus (Linnaeus) Palla subsp. ***maritimus*** - **Saltmarsh Bulrush**. 2n = 108, 110.
Coastal shores, brackish to saline marshes, and tidal river shores. [*Scirpus maritimus* Linnaeus var. *fernaldii* (E.P. Bicknell) Beetle]

Bolboschoenus maritimus (Linnaeus) Palla subsp. ***paludosus*** (A. Nelson) T. Koyama. - **Bayonet Grass**. 2n = ca. 90, 104, ca. 110.
Coastal shores and brackish to saline marshes. [*Scirpus maritimus* Linnaeus var. *paludosus* (A. Nelson) Kükenthal; *S. paludosus* A. Nelson var. *atlanticus* Fernald]





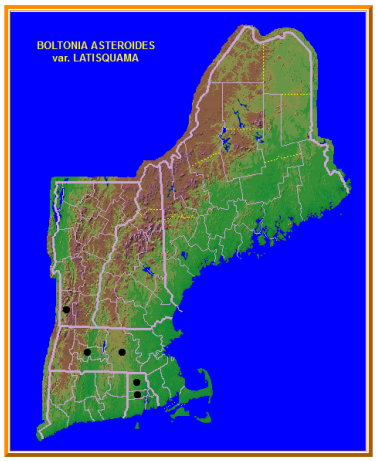


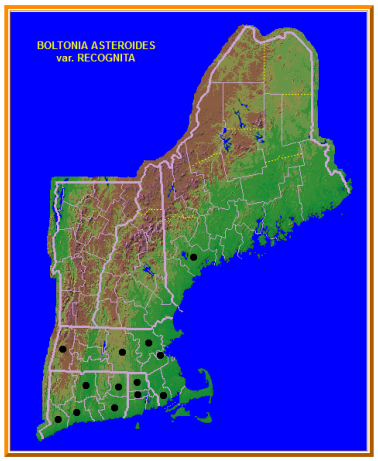
Bolboschoenus novae-angliae (Britton) S.G. Smith - . 2n = ?
Slightly brackish coastal shores and marshes. [*Scirpus cylindricus* misapplied]

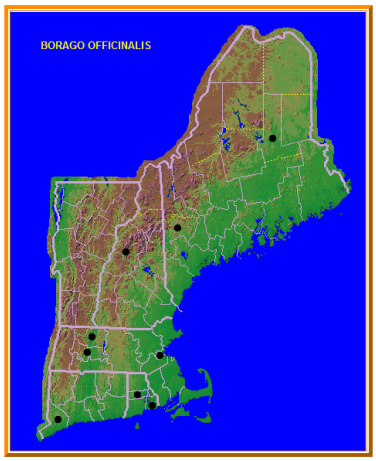
Bolboschoenus robustus (Pursh) Soják - **Seacoast Bulrush**. 2n = 106-110.
Coastal shores and brackish to saline marshes. [*Scirpus robustus* Pursh]

***Bolboschoenus* hybrid**

Bolboschoenus maritimus (Linnaeus) Palla subsp. ***maritimus*** X ***B. robustus*** (Pursh) Sojãk - .







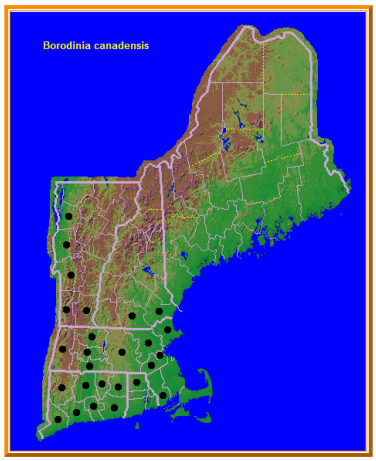
BOLTONIA (Family: Asteraceae)

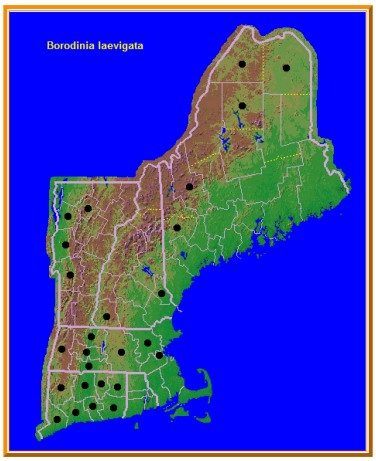
BOLTONIA ASTEROIDES (Linnaeus) L'Héritier var. ***LATISQUAMA*** (A. Gray) Cronquist - . 2n = 18.
Waste places, roadsides. From farther west. [*B. LATISQUAMA* A. Gray var. *LATISQUAMA*]

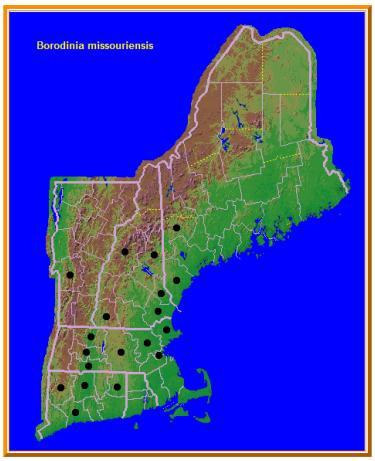
BOLTONIA ASTEROIDES (Linnaeus) L'Héritier var. ***RECOGNITA*** (Fernald & Griscom) Cronquist - . 2n = 18, 36.
Waste places. From farther west. [*B. LATISQUAMA* A. Gray var. *RECOGNITA* Fernald & Griscom]

BORAGO (Family: Boraginaceae)

BORAGO OFFICINALIS Linnaeus - **Borage**. 2n = 16.
Waste places, fields. From Eurasia, northwestern Africa.





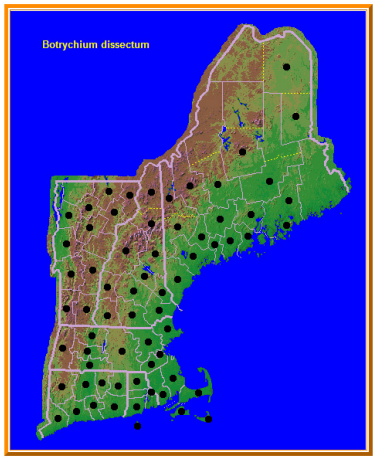


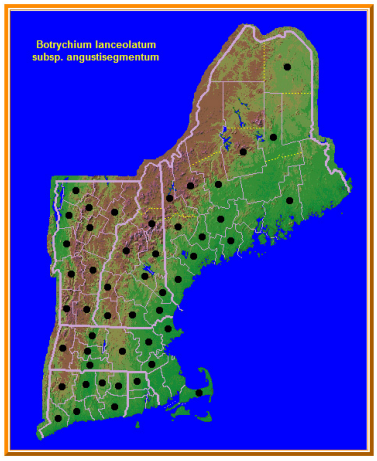
BORODINIA (Family: Brassicaceae)

Borodinia canadensis (Linnaeus) P.J. Alexander & Windham - **Sicklepod**. 2n = 14.
Rocky wooded slopes, rich woods. [*Arabis canadensis* Linnaeus; *Boechera canadensis* (Linnaeus) Al-Shehbaz]

Borodinia laevigata (Muhlenberg *ex* Willdenow) P.J. Alexander & Windham - **Smooth Rock-cress**. 2n = 14.
Dry, rocky, wooded slopes, shaded ledges (chiefly calcareous), rich woods. [*Arabis laevigata* (Muhlenberg *ex* Willdenow) Poiret; *Boechera laevigata* (Muhlenberg *ex* Willdenow) Al-Shehbaz]

Borodinia missouriensis (Greene) P.J. Alexander & Windham - **Green Rock-cress**. 2n = ?
Dry ledges, rocky woods. [*Arabis missouriensis* Greene; *Boechera missouriensis* (Greene) Al-Shehbaz]



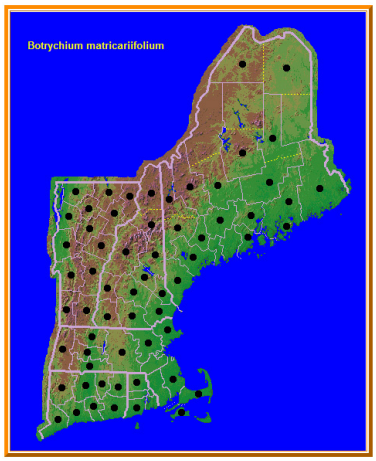


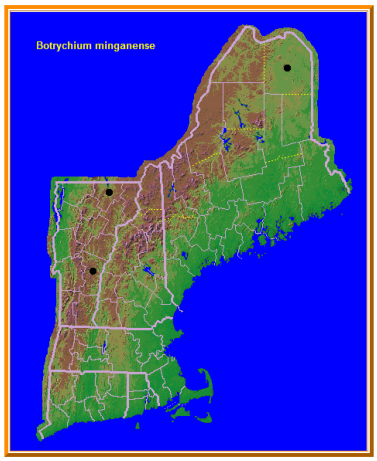
BOTRYCHIUM (Family: Ophioglossaceae)

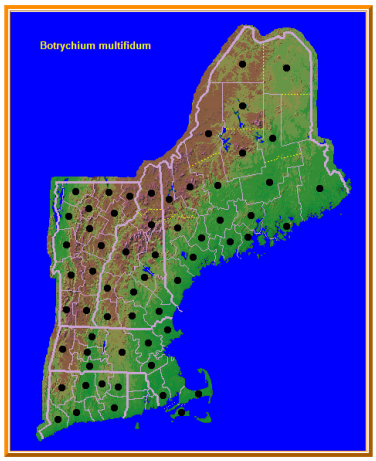
Botrychium dissectum Sprengel - **Cut-leaved Grape Fern**. 2n = 90, 180.
Woods, open thickets, clearings, sandy barrens. [*B. dissectum* Sprengel var. *obliquum* (Muhlenberg *ex* Willdenow) Clute]

Botrychium lanceolatum (S.G. Gmelin) Ångström subsp. ***angustisegmentum*** (Pease & A.H. Moore) R.T. Clausen - **Triangle Grape Fern**. 2n = 90.
Moist, cool, rich woods, swamp margins, meadows, peaty slopes, clearings. [*B. lanceolatum* var. *angustisegmentum* Pease & A.H. Moore]

Botrychium lunaria (Linnaeus) Swartz - **Common Moonwort**. 2n = (ca. 60), (80), 90, (96).
Open, gravelly or rocky slopes, pastures, meadows, shores, chiefly in calcareous soils.





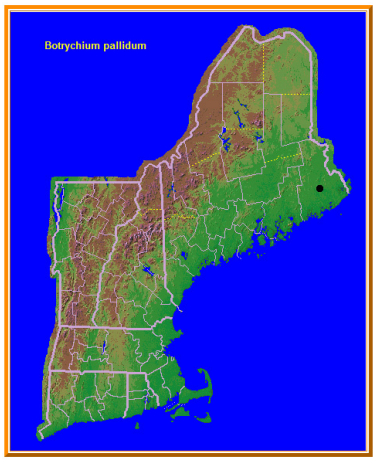


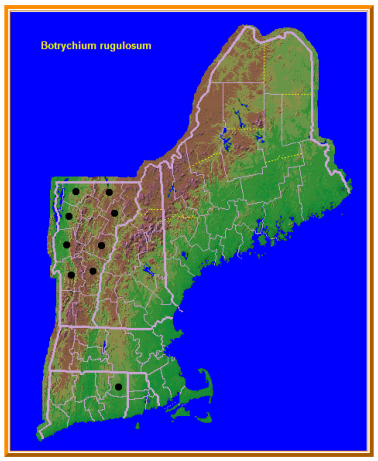
Botrychium matricariifolium (Döll) A. Braun *ex* W.D.J. Koch - **Daisyleaf Grape Fern**. 2n = 180.
Rich, usually moist, deciduous woods and thickets.

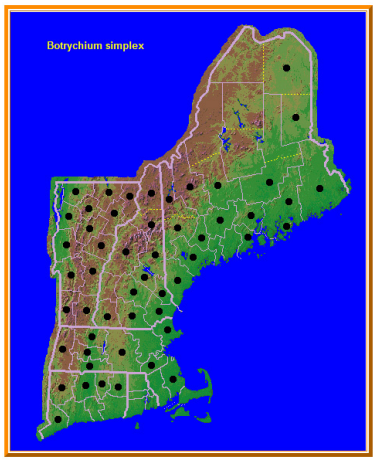
Botrychium minganense Victorin - **Mingan Moonwort**. 2n = 180.
Habitats similar to those of *B. lunaria*. [*B. lunaria* (Linnaeus) Swartz forma *minganense* (Victorin) Clute; *B. lunaria* var. *minganense* (Victorin) Dole]

Botrychium multifidum (S.G. Gmelin) Ruprecht - **Leathery Grape Fern**. 2n = 90.
Peaty, sandy, or gravelly slopes, sparse woods, thickets, clearings, usually in acid soils. [*B. multifidum* var. *intermedium* (D.C. Eaton) Farwell]

Botrychium oneidense (Gilbert) House - **Oneida Grape Fern**. 2n = 90.
Moist, acidic woods and swamps. [*B. dissectum* Sprengel var. *oneidense* (Gilbert) Farwell; *B. multifidum* (S.G. Gmelin) Ruprecht var. *oneidense* (Gilbert) Farwell]. Note: Distribution data were not collected for this taxon as it was inadequately distinguished from *B. dissectum* Sprengel and *B. multifidum* (S.G. Gmelin) Ruprecht in New England herbaria. This taxon is **not mapped**.



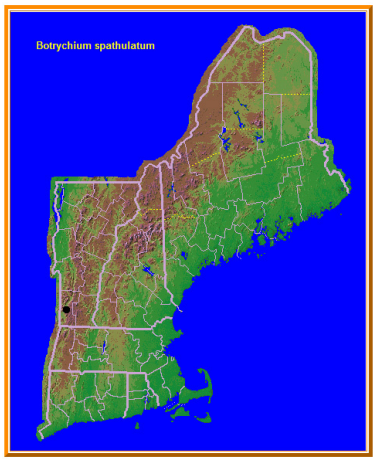


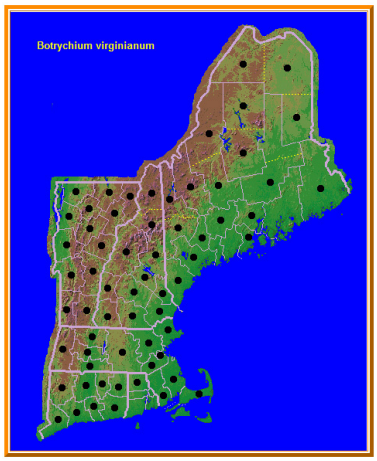


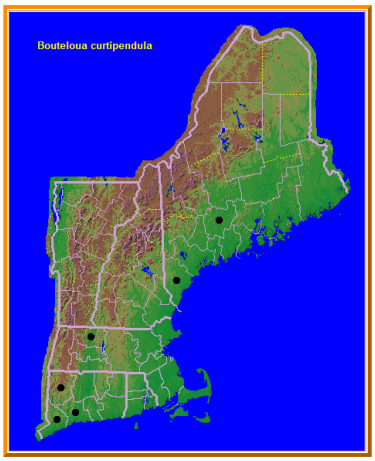
Botrychium pallidum W.H. Wagner - . 2n = 90.
Dry ridges.

Botrychium rugulosum W.H. Wagner - . 2n = 90.
Open fields and secondary forests.
Note: We found no annotated vouchers for this relatively recently recognized taxon in New England herbaria. The distribution data are taken from W.H. Wagner, Jr. & F.S. Wagner (1982).

Botrychium simplex E. Hitchcock - **Least Grape Fern**. 2n = 90.
Meadows, moist woods, edges of swamps and pastures, open shores, usually in poor soils. [*B. simplex* var. *tenebrosum* (A.A. Eaton) R.T. Clausen]





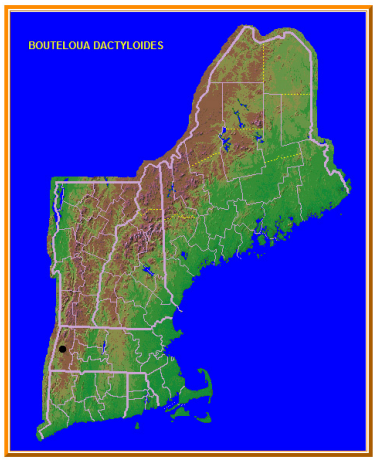


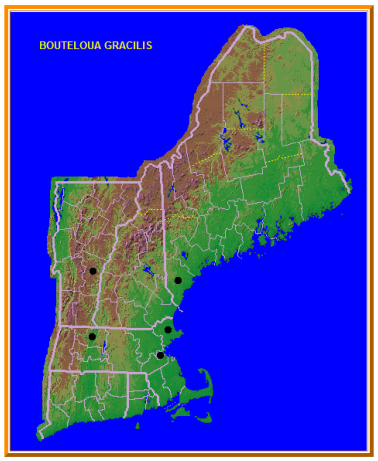
Botrychium spathulatum W.H. Wagner - . 2n = 180.
Marble terrace with shallow soil.

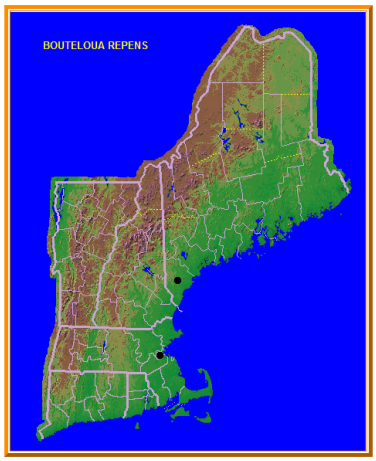
Botrychium virginianum (Linnaeus) Swartz - **Rattlesnake Fern**. 2n = 184.
Rich woods and thickets in neutral to slightly acid soils. [*B. virginianum* var. *europaeum* Angström]

BOUTELOUA (Family: Poaceae)

Bouteloua curtipendula (Michaux) Torrey - **Tall Grama-grass**. 2n = (20), (28), (35), 40, (42-103).
Dry woods.



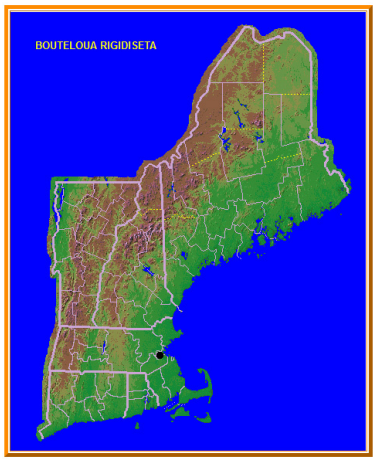


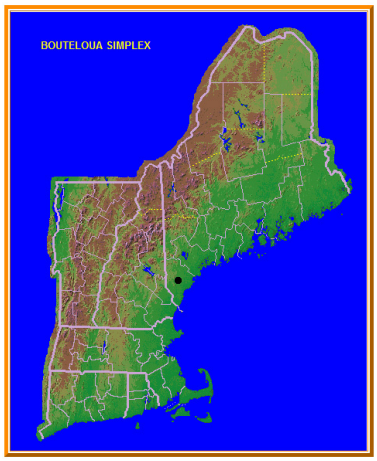


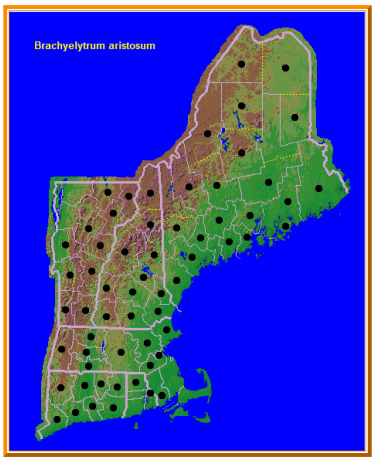
BOUTELOUA DACTYLOIDES (Nuttall) J.T. Columbus - **Buffalograss**. 2n = (20), 40, (56), 60.
Waste areas, sandy banks. From farther west.

BOUTELOUA GRACILIS (Kunth) Lagasca y Segura *ex* Griffiths - **Blue Grama-grass**. 2n = 20-84.
Waste areas. From farther west.

BOUTELOUA REPENS (Kunth) Scribner & Merrill - **Slender Grama-grass**. 2n = 20, 40, 60.
Waste areas. From farther west and south. [*B. FILIFORMIS* (E. Fournier) Griffiths]





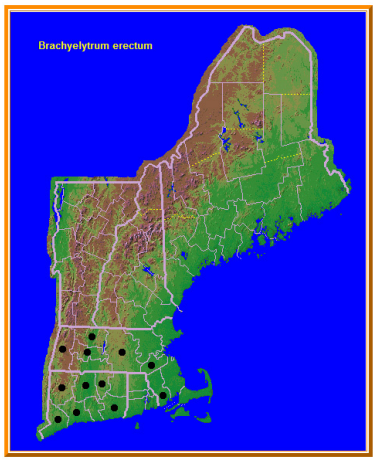


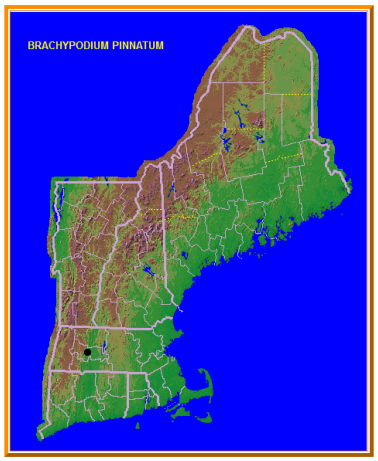
BOUTELOUA RIGIDISETA (Steudel) Hitchcock - . 2n = 28, 35, 40.
Waste areas. From farther west and south.

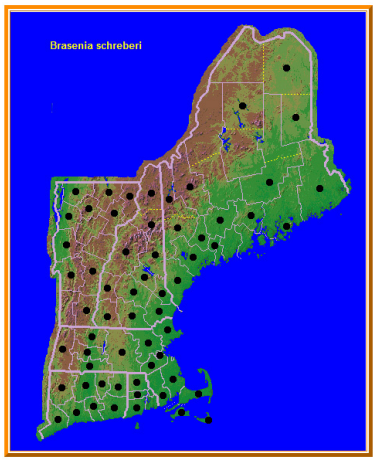
BOUTELOUA SIMPLEX Lagasca - **Mat Grama-grass**. 2n = 20, 40.
Waste areas, wool waste. From farther west.

BRACHYELYTRUM (Family: Poaceae)

Brachyelytrum aristosum (Michaux) P. Beauvois *ex* Trelease - . 2n = 22.
Rich, moist woods and thickets. [*B. erectum* var. *glabratum* misapplied; *B. erectum* var. *septentrionale* Babel]







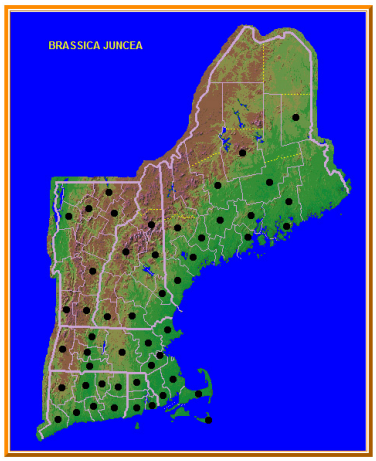
Brachyelytrum erectum (Schreber) P. Beauvois - . 2n = 22.
Rich, moist woods and thickets.

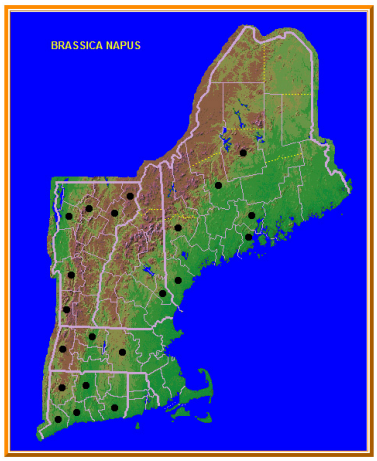
BRACHYPODIUM (Family: Poaceae)

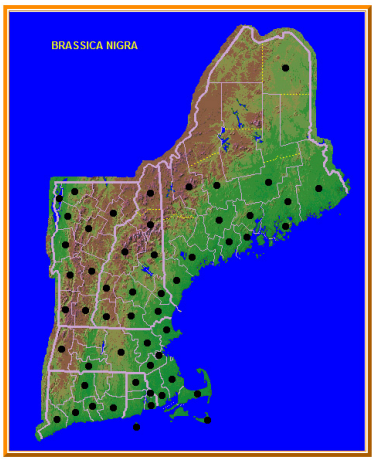
BRACHYPODIUM PINNATUM (Linnaeus) P. Beauvois - . 2n = (14), (18), 28.
Waste areas. From Europe.

BRASENIA (Family: Cabombaceae)

Brasenia schreberi J.F. Gmelin - **Water-shield**. 2n = (72), 80.
Ponds, lakes, slow streams.





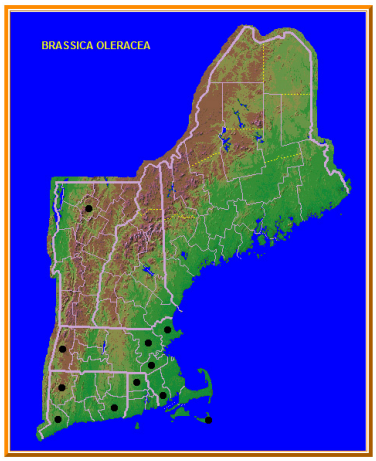


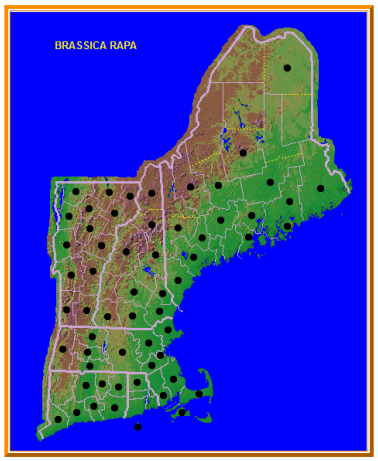
BRASSICA (Family: Brassicaceae)

BRASSICA JUNCEA (Linnaeus) Czernajew - **Indian Mustard**. 2n = 36.
Fields, waste places, roadsides. From Eurasia, Africa. [*B. JUNCEA* var. *CRISPIFOLI*A L.H. Bailey]

BRASSICA NAPUS Linnaeus - **Turnip**. 2n = (20), (32), (36), 38, (40).
Fields, waste places, roadsides. From Eurasia, Africa. [*B. NAPOBRASSICA* (Linnaeus) Miller]

BRASSICA NIGRA (Linnaeus) W.D.J. Koch - **Black Mustard**. 2n = 16, (18), (24), (32).
Fields, waste places, roadsides. From Eurasia, Africa.



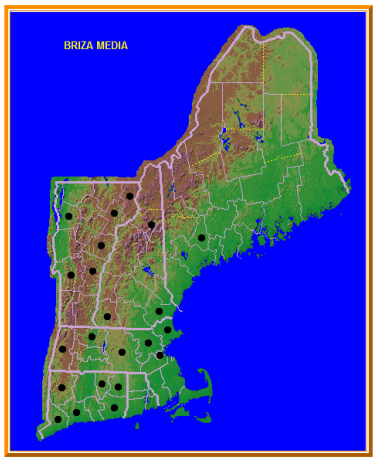


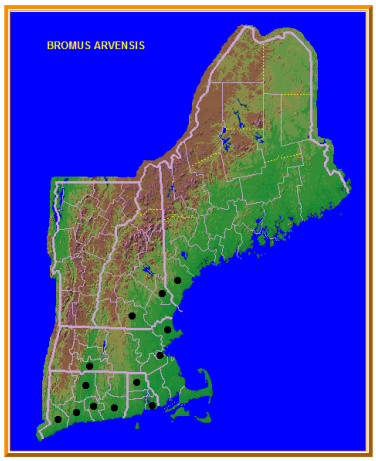
BRASSICA OLERACEA Linnaeus - **Cabbage**. 2n = 18, (36).
Waste places. From Eurasia, Africa.

BRASSICA RAPA Linnaeus - **Field Mustard**. 2n = 20.
Fields, waste places, roadsides. From Eurasia, Africa.

BRAYA (Family: Brassicaceae)

Braya humilis (C.A. Meyer) B.L. Robinson subsp. ***humilis*** - **Northern Rock-cress**. 2n = 28, 42, 56, (70).
Calcareous cliffs and talus. [*B. humilis* var. *leiocarpa* (Trautvetter) Fernald; *Neotorularia humilis* (C.A. Meyer) Hedge & J. Léonard]





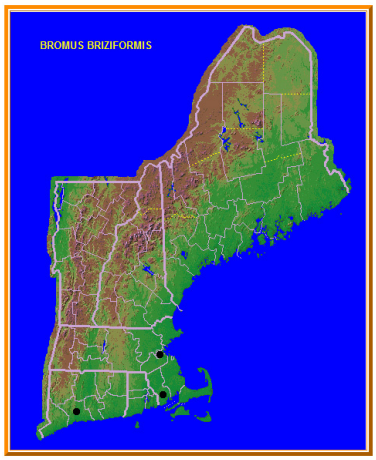
BRIZA (Family: Poaceae)

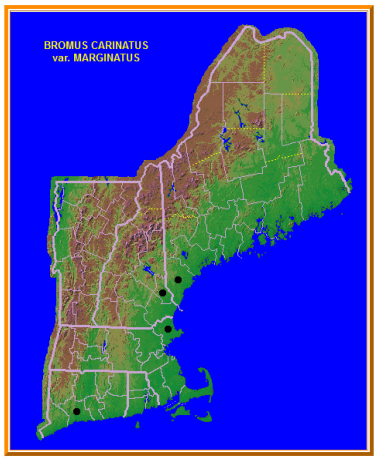
BRIZA MEDIA Linnaeus - . 2n = 14, 28.
Roadsides, meadows, moist soil. From Europe.

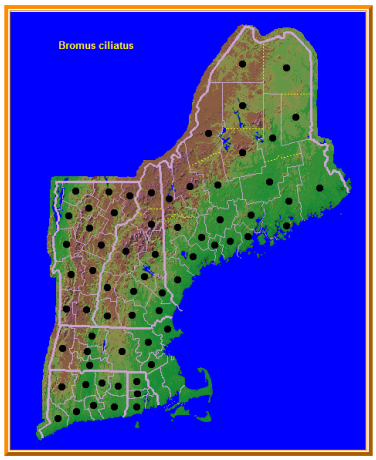
BRIZA MINOR Linnaeus - . 2n = 10, (14).
Waste places. From Europe.

BROMUS (Family: Poaceae)

BROMUS ARVENSIS Linnaeus - . 2n = 14, (21).
Fields, roadsides. From Europe.



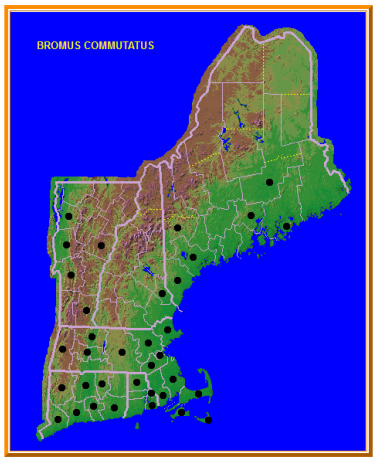


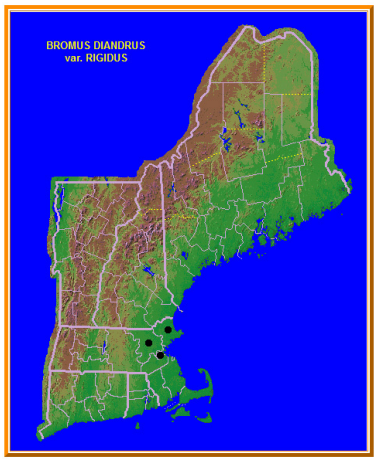


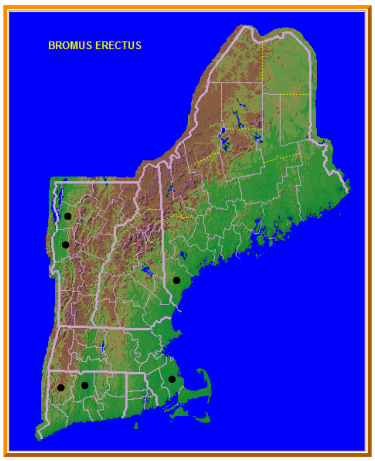
BROMUS BRIZIFORMIS Fischer & C.A. Meyer - **Quake-grass**. 2n = 14.
Roadsides, waste places. From Europe.

BROMUS CARINATUS Hooker & Arnott var. ***MARGINATUS*** (Nees *ex* Steudel) Barkworth & Anderson - . 2n = 42, 56.
Waste places. From farther west. [*B. BREVIARISTATUS* Buckley; *B. MARGINATUS* Nees *ex* Steudel]

Bromus ciliatus Linnaeus - **Fringed Brome**. 2n = 14, (28).
Rich, moist thickets. [*B. ciliatus* var. *intonsus* Fernald; *B. dudleyi* Fernald]



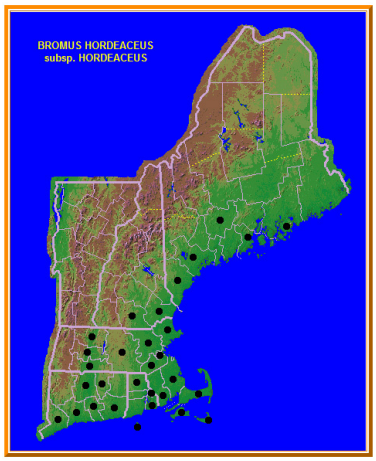


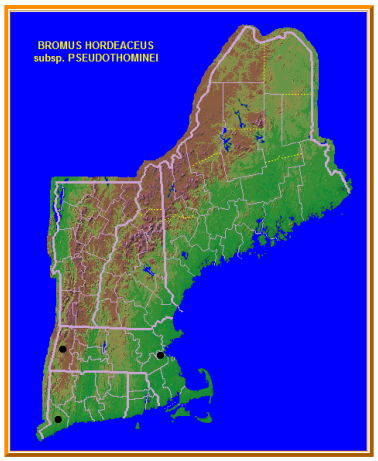


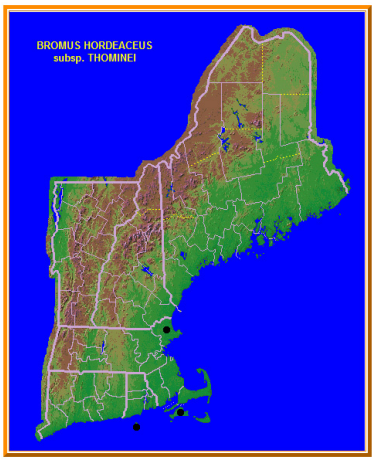
BROMUS COMMUTATUS Schrader - **Hairy Chess**. 2n = 14, 28, (56).
Fields, roadsides, waste places. From Europe.

BROMUS DIANDRUS Roth var. ***RIGIDUS*** (Roth) Sales - **Ripgut Grass**. 2n = (14), (28), 42, (56), (70).
Waste places, seaports. From Europe. [*B. RIGIDUS* Roth]

BROMUS ERECTUS Hudson - . 2n = (14), (28), (36), (42), 56, (70).
Fields, roadsides. From Europe.



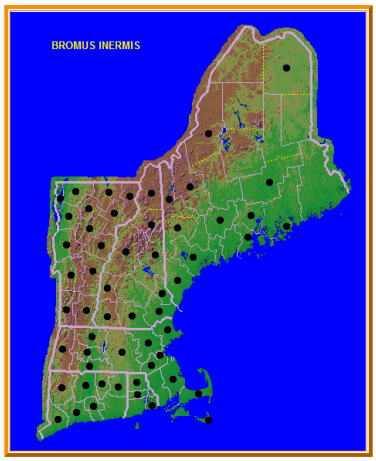


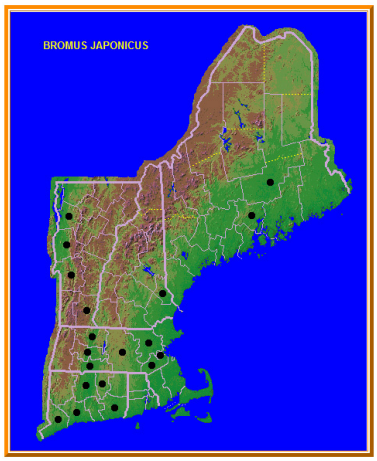


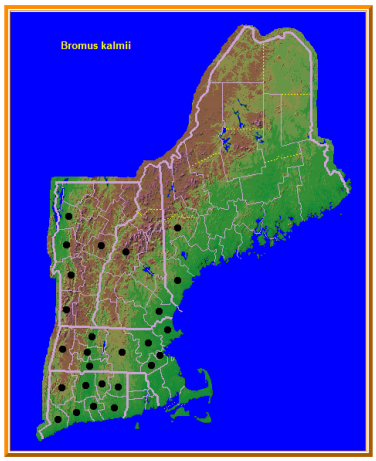
BROMUS HORDEACEUS Linnaeus subsp. ***HORDEACEUS*** - **Soft Chess**. 2n = (14), 28.
Fields, roadsides, waste places. From Europe. [*B. MOLLIS* Linnaeus]

BROMUS HORDEACEUS Linnaeus subsp. ***PSEUDOTHOMINEI*** (P.M. Smith) H. Scholz - . 2n = ?
Low meadows, grasslands. From Europe. [*B. MOLLIS* Linnaeus forma *LEIOSTACHYS* (Hartman) Fernald]

BROMUS HORDEACEUS Linnaeus subsp. ***THOMINEI*** (Hardouin) - **Braun-Blanquet**. 2n = ?
Waste places. From Europe. [*B. THOMINEI* Hardouin]



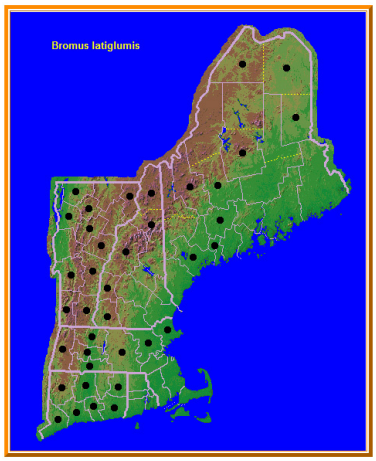


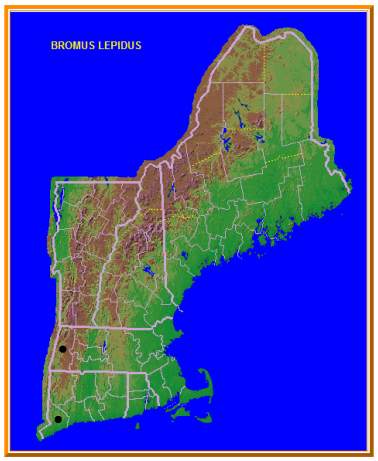


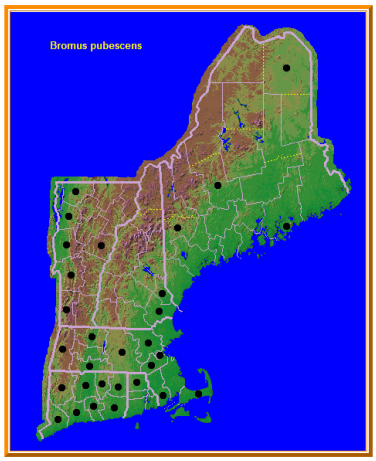
BROMUS INERMIS Leysser - **Hungarian Brome**. 2n = 28, 42, 56.
Fields, roadsides. From Europe. [*B. INERMIS* var. *DIVARICATUS* Rohlena]

BROMUS JAPONICUS Houttuyn - **Japanese Chess**. 2n = 14, (28).
Waste places. From Eurasia. [*B. JAPONICUS* var. *PORRECTUS* Hackel]

Bromus kalmii A. Gray - . 2n = 14, 28.
Basic soil in dry, rocky or sandy woods and thickets and in meadows.



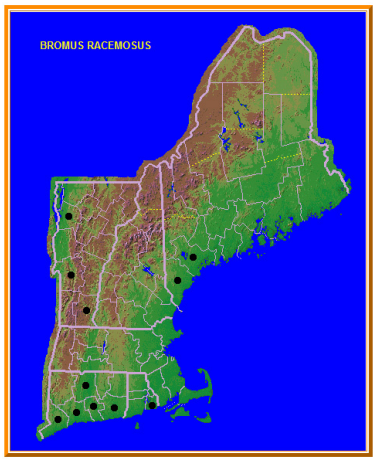


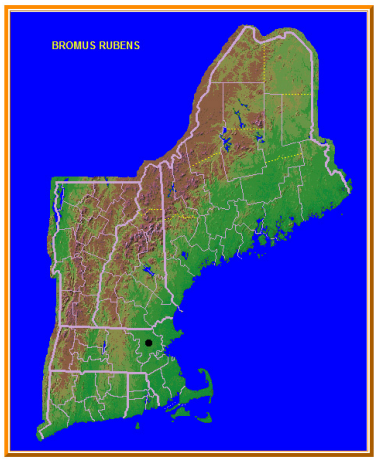


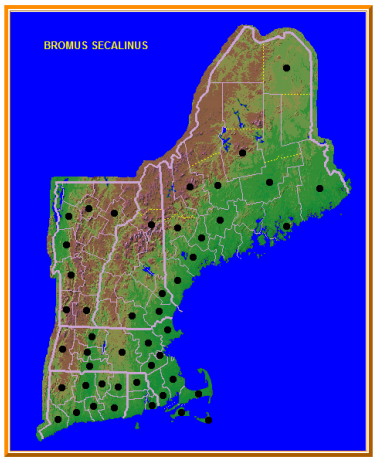
Bromus latiglumis (Scribner *ex* Shear) Hitchcock - . 2n = 14.
Rich, alluvial woods and riverbanks. [*B. altissimus* Pursh; *B. purgans* - misapplied]

BROMUS LEPIDUS Holmberg - . 2n = (14), 28.
Waste places. From the Old World.

Bromus pubescens Muhlenberg *ex* Willdenow - **Canada Brome**. 2n = 14.
Dry, open, woods in basic soil. [*B. purgans* - misapplied; *B. purgans* var. *laeviglumis* (Scribner *ex* Shear) Swallen]



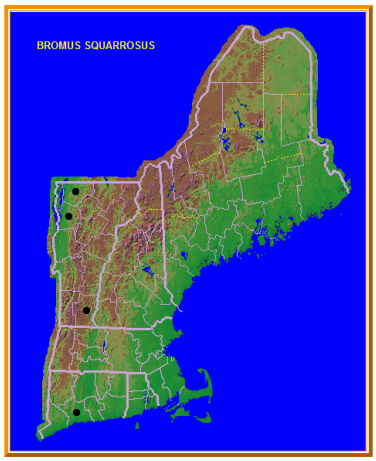


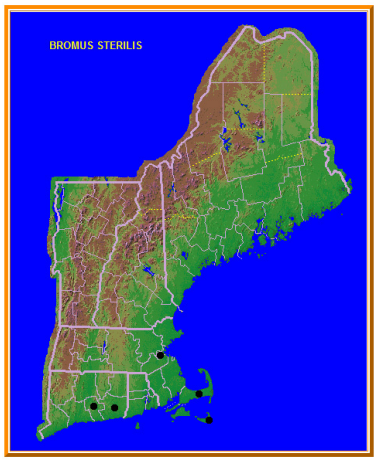


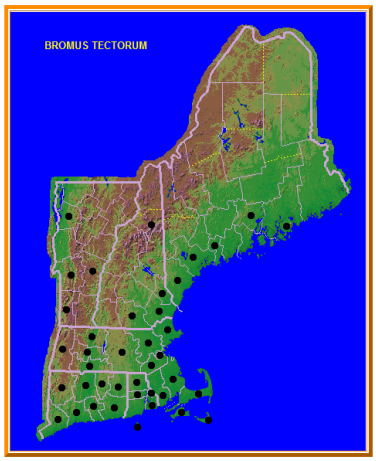
BROMUS RACEMOSUS Linnaeus - . 2n = (14), 28.
Waste places. From Europe.

BROMUS RUBENS Linnaeus - **Foxtail Chess**. 2n = (14), 28.
Wool waste. From Eurasia, northern Africa.

BROMUS SECALINUS Linnaeus - **Cheat**. 2n = (14), 28, (56).
Fields, waste places, roadsides. From Europe.



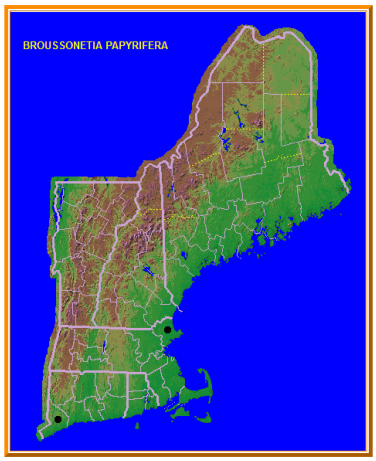


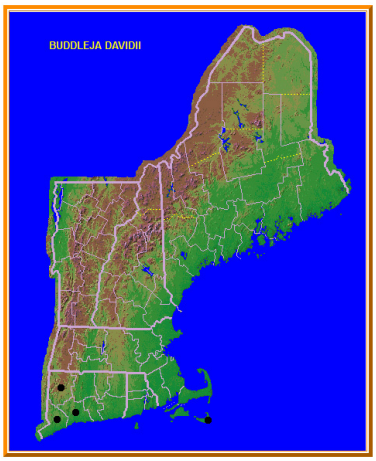


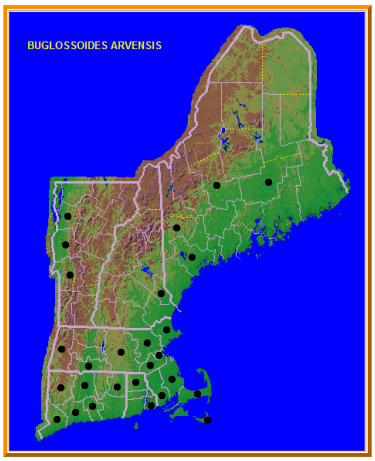
BROMUS SQUARROSUS Linnaeus - . 2n = 14.
Waste places. From Europe.

BROMUS STERILIS Linnaeus - . 2n = 14, 28.
Waste places, roadsides. From Europe.

BROMUS TECTORUM Linnaeus - **Downy Chess**. 2n = 14, (28).
Fields, roadsides, waste places. From Europe.







BROUSSONETIA (Family: Moraceae)

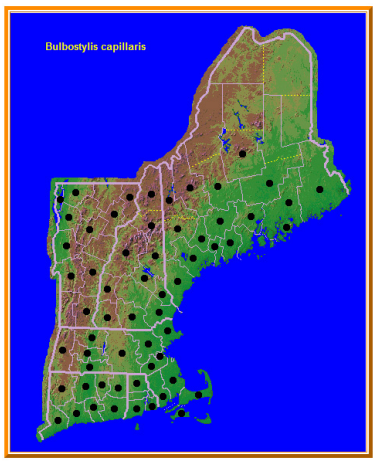
BROUSSONETIA PAPYRIFERA (Linnaeus) L'Héritier *ex* Ventenat - **Paper-mulberry**. 2n = 26.
Roadsides, thickets. From eastern Asia.

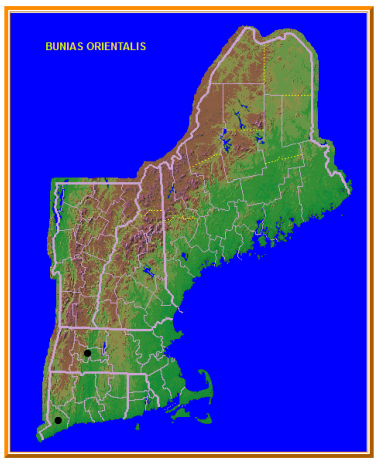
BUDDLEJA (Family: Scrophulariaceae)

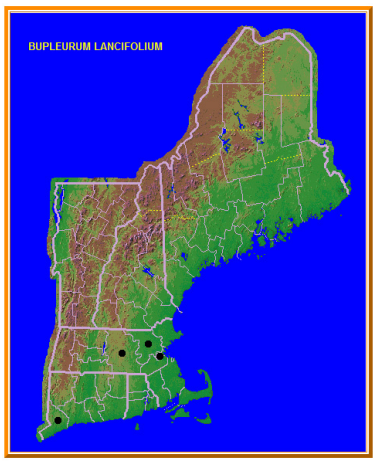
BUDDLEJA DAVIDII Franchet - **Orange-eye Butterfly-bush**. 2n = 76.
Woodland margins, dry banks, roadsides, waste places. From China.

BUGLOSSOIDES (Family: Boraginaceae)

BUGLOSSOIDES ARVENSIS (Linnaeus) I.M. Johnston - **Corn Gromwell**. 2n = 28, (36), 42.
Waste places, roadsides, railroads, sandy fields. From Eurasia, northern Africa. [*LITHOSPERMUM ARVENSE* Linnaeus]







BULBOSTYLIS (Family: Cyperaceae)

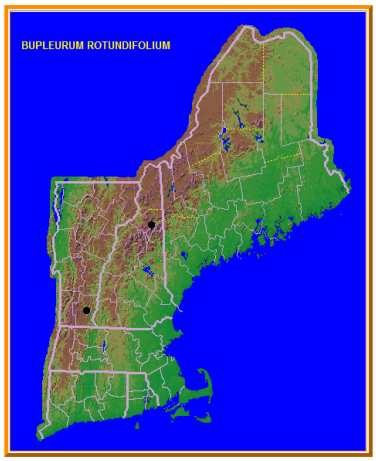
Bulbostylis capillaris (Linnaeus) Kunth *ex* C.B. Clarke - . 2n = 72, 84.
Dry, open soil, sandy or gravelly waste areas. [*B. capillaris* var. *crebra* Fernald]

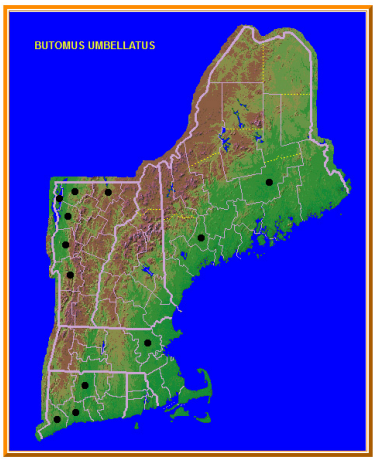
BUNIAS (Family: Brassicaceae)

BUNIAS ORIENTALIS Linnaeus - **Turkish Rocket**. 2n = 14, (28), (42).
Roadsides, waste places. From Eurasia.

BUPLEURUM (Family: Apiaceae)

BUPLEURUM LANCIFOLIUM Hornemann - . 2n = 16.
Roadsides, waste places. From the Mediterranean region.

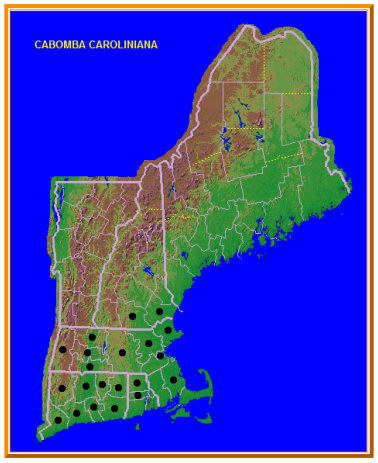


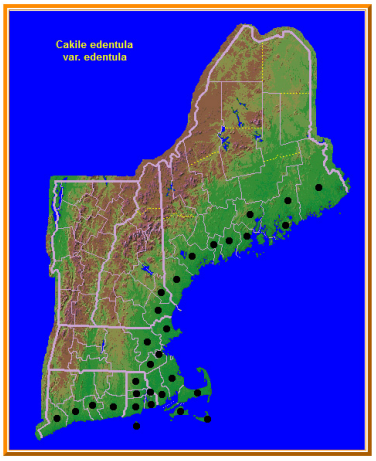


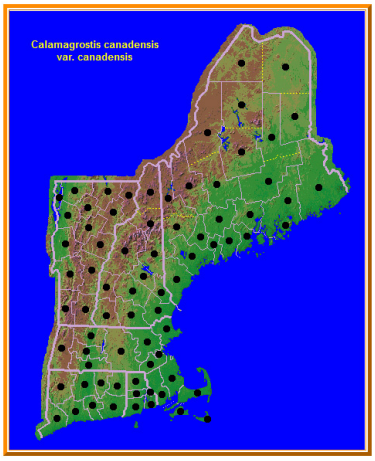
BUPLEURUM ROTUNDIFOLIUM Linnaeus - **Thoroughwax**. 2n = 16.
Roadsides, fields. From Eurasia, northwestern Africa.

BUTOMUS (Family: Butomaceae)

BUTOMUS UMBELLATUS Linnaeus - **Flowering Rush**. 2n = (16), (20), (24), 26, (30), 39, (40).
Muddy shores and marshes. From Eurasia.







CABOMBA (Family: Cabombaceae)

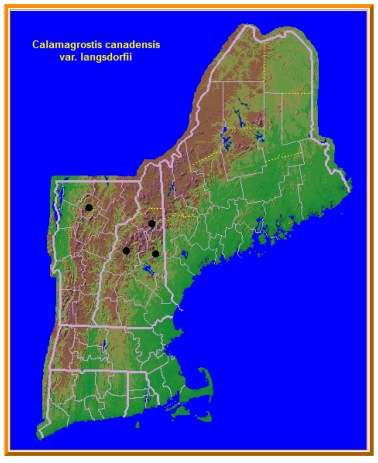
CABOMBA CAROLINIANA A. Gray - **Fanwort**. 2n = 24, (34), (ca. 96), (104).
Ponds, lakes, slow streams. From farther south and west.

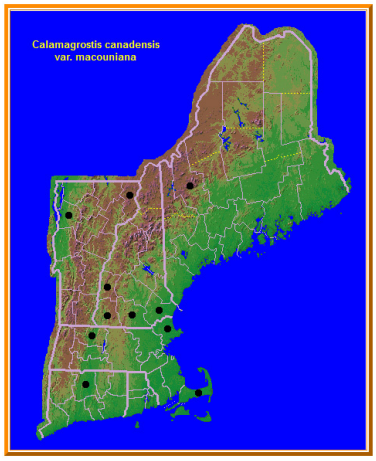
CAKILE (Family: Brassicaceae)

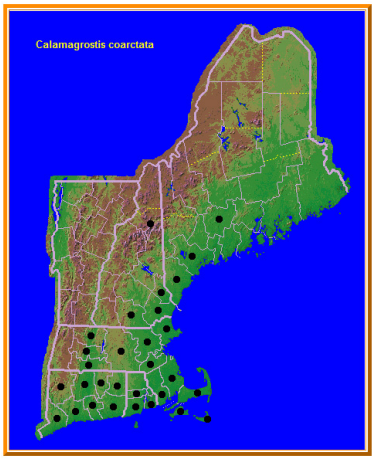
Cakile edentula (Bigelow) Hooker subsp. ***edentula*** - **American Sea-rocket**. 2n = 18, (36).
Sandy sea beaches.

CALAMAGOSTIS (Family: Poaceae)

Calamagrostis canadensis (Michaux) P. Beauvois var. ***canadensis*** - **Bluejoint**. 2n = (28), 42, (49), (56).
Meadows, shores, bogs, open swamps. [*C. canadensis* var. *robusta* Vasey]



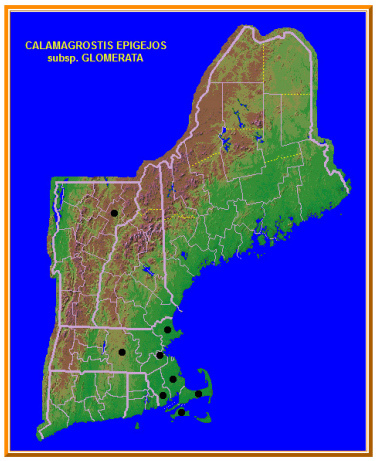


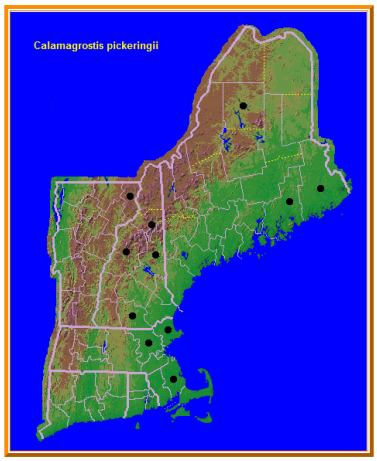


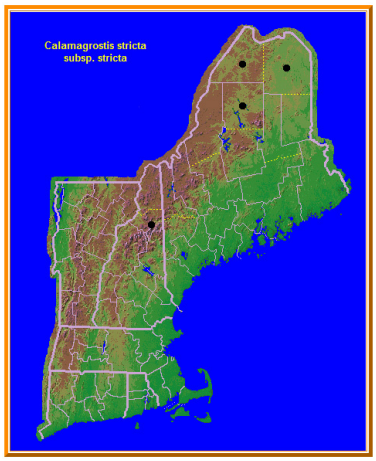
Calamagrostis canadensis (Michaux) P. Beauvois var. ***langsdorfii*** (Link) Inman - . 2n = 28, 42, (50-52), 56, (59-91).
High altitudes. [*C. canadensis* var. *scabra* (J. Presl) Hitchcock; *C. nubila* Louis-Marie]

Calamagrostis canadensis (Michaux) P. Beauvois var. ***macouniana*** (Vasey) Stebbins - . 2n = ?
Open, moist, grassy areas.

Calamagrostis coarctata Eaton - . 2n = ?
Swamps, wet woods, damp sandy or peaty soils. [*C. cinnoides* misapplied]



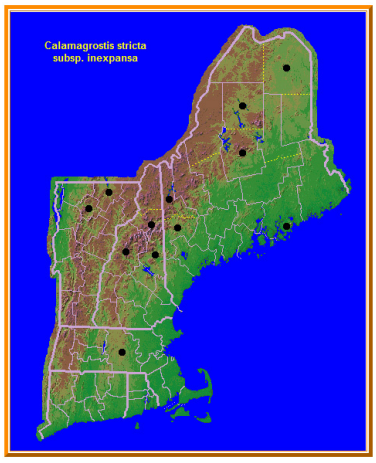


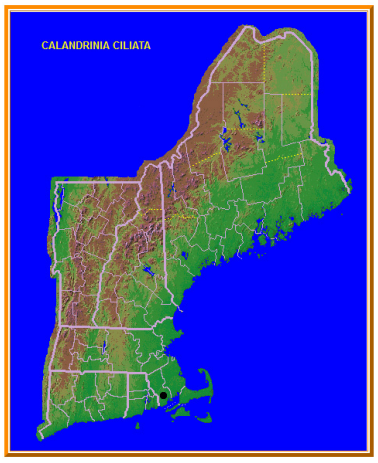


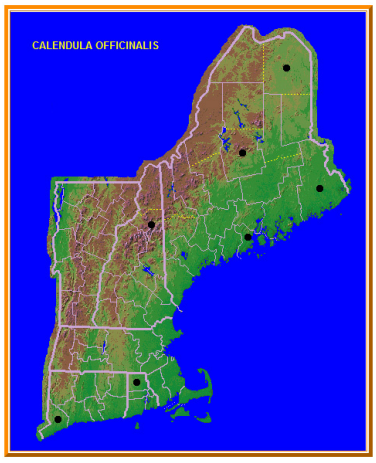
CALAMAGROSTIS EPIGEJOS (Linnaeus) Roth subsp. ***GLOMERATA*** (Boissier & Buhse) Tzvelev - . 2n = 28.
Fields, waste places. From Eurasia. [*C. EPIGEJOS* var. *GEORGICA* (K. Koch) Grisebach]

Calamagrostis pickeringii A. Gray - . 2n = 28.
Bogs, peaty alpine soils, shores, riverbanks. [*C. pickeringii* var. *debilis* (Kearney) Fernald & Wiegand]

Calamagrostis stricta (Timm) Koeler subsp. ***stricta*** - . 2n = 28, (42), (84).
Gravelly shores, riverbanks. [*C. neglecta* (Ehrhart) P.G. Gaertner, B. Meyer & Scherbius -- illegitimate name]







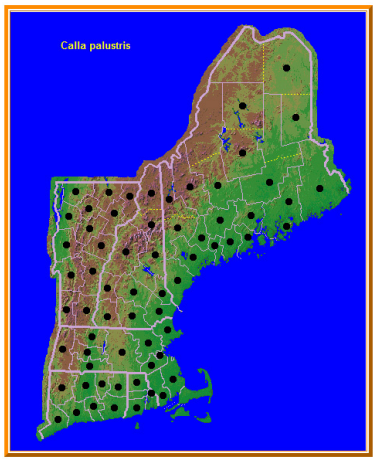
Calamagrostis stricta (Timm) Koeler subsp. ***inexpansa*** (A. Gray) C.W. Greene
- **Northern Reedgrass**. 2n = 28, 56, 58, 70, 84, ca. 100, c.104, 114, 116, 119, 120, 123, 140.
Wet ledges, ridgetop soils, gravelly shores, riverbanks, usually at high altitudes. [*C. fernaldii* Louis-Marie; *C. inexpansa* A. Gray var. *inexpansa*; *C. inexpansa* var. *brevior* (Vasey) Stebbins; *C. inexpansa* var. *novae-angliae* Stebbins; *C. inexpansa* var. *robusta* (Vasey) Stebbins; *C. lacustris* (Kearney) Nash]

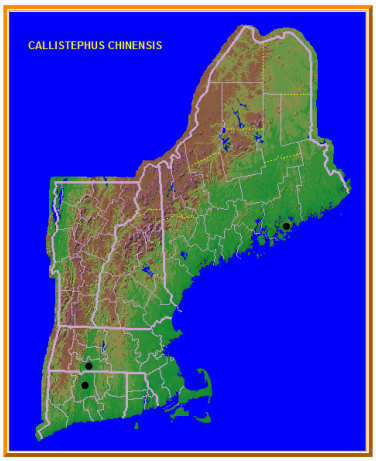
CALANDRINIA (Family: Montiaceae)

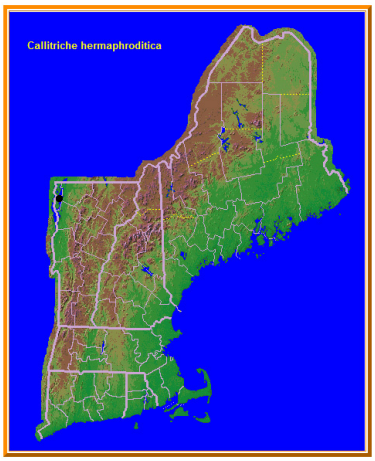
CALANDRINIA CILIATA (Ruiz & Pavón) de Candolle - **Red Maids**. 2n = 24, 46, 48.
Fields. From farther west.

CALENDULA (Family: Asteraceae)

CALENDULA OFFICINALIS Linnaeus - **Pot Marigold**. 2n = (14), (28), 32.
Waste places. Probably from the Mediterranean region.







CALLA (Family: Araceae)

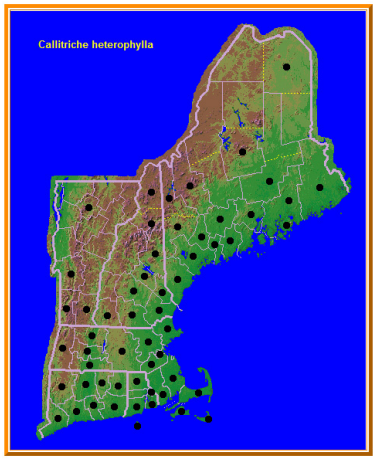
Calla palustris Linnaeus - **Wild Calla**. 2n = 36, (60), 72.
Bogs, marshes, swampy woods, pond margins, shallow water.

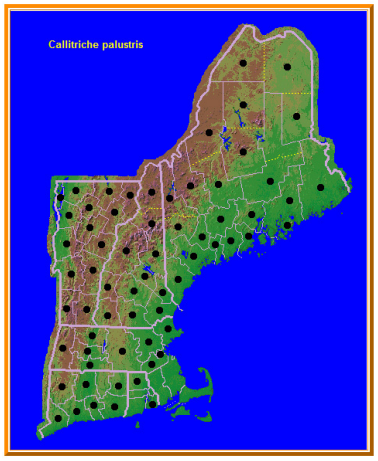
CALLISTEPHUS (Family: Asteraceae)

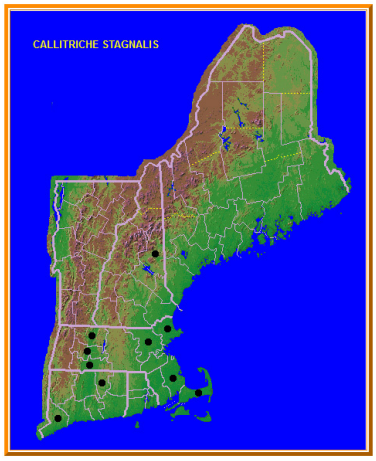
CALLISTEPHUS CHINENSIS (Linnaeus) Nees - **China Aster**. 2n = 18, (36).
Fields, sandy, pond shores. From eastern Asia.

CALLITRICHE (Family: Plantaginaceae)

Callitriche hermaphroditica Linnaeus - . 2n = 6.
Lakes, ponds, often calcareous.



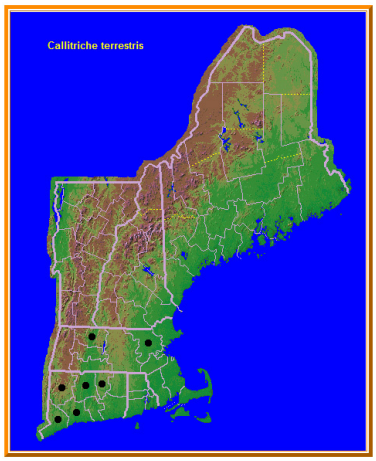


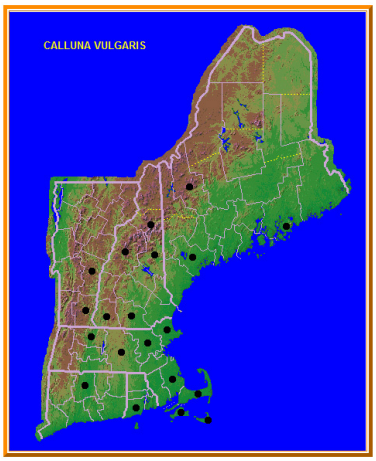


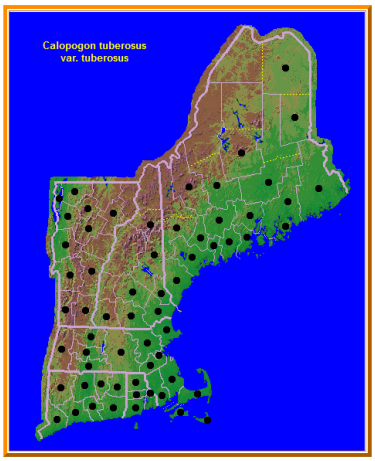
Callitriche heterophylla Pursh - . 2n = (10), 20.
Ponds, pools, lakes, quiet water of streams, intertidal mudflats. [*C. anceps* Fernald]

Callitriche palustris Linnaeus - . 2n = (10), (16), 20, (40).
Ponds, pools, lakes, quiet water of streams, springs. [*C. verna* Linnaeus]

CALLITRICHE STAGNALIS Scopoli - **Common Water-starwort**. 2n = 10, (18), (20).
Streams, pools, ponds, lakes, springs. From Eurasia, northwestern Africa.







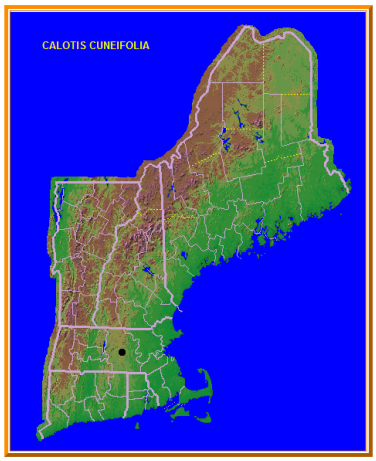
Callitriche terrestris Rafinesque - . 2n = 10.
Woodland roads, paths and margins, in damp, shady soil. [*C. deflexa* A. Braun *ex* Hegelmaier var. *austini* (Engelmann *ex* A. Gray) Hegelmaier]

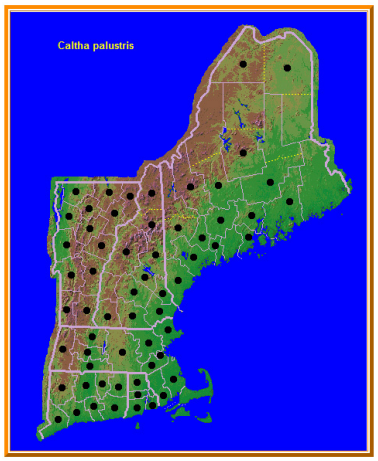
CALLUNA (Family: Ericaceae)

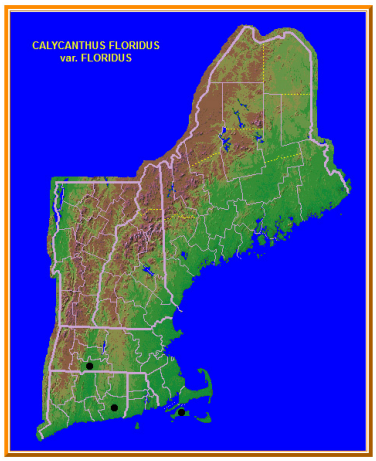
CALLUNA VULGARIS (Linnaeus) Hull - **Heather**. 2n = 16.
Dry fields, roadsides, damp, sandy sites. From Eurasia.

CALOPOGON (Family: Orchidaceae)

Calopogon tuberosus (Linnaeus) Britton, Sterns & Poggenberg var. ***tuberosus*** - **Grass-pink**. 2n = 26, 32, 38, 40, 42.
Sphagnous bogs, swamps, and meadows. [*C. pulchellus* R. Brown - illegitimate name]







CALOTIS (Family: Asteraceae)

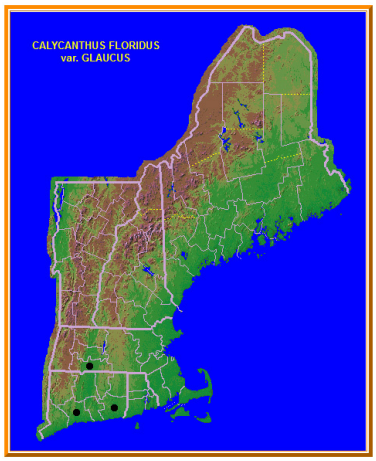
CALOTIS CUNEIFOLIA R. Brown - **Purple Burr-daisy**. 2n = 16, (20), (32).
Wool waste. From Australia.

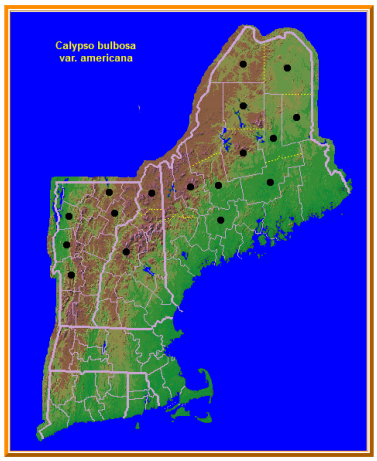
CALTHA (Family: Ranunculaceae)

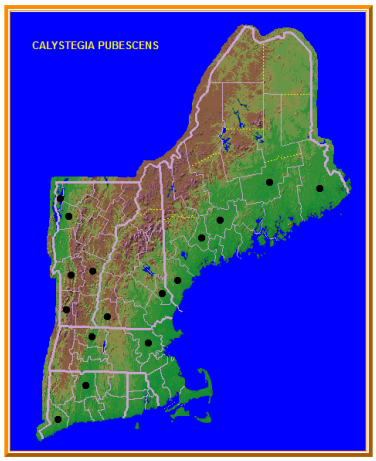
Caltha palustris Linnaeus - **Marsh Marigold**. 2n = (16), 32, (34), (38), (44), (48), (50), 56, (58), (60), (62), (64), (72).
Swamps, wet meadows, brooksides, wet woods, marshes.

CALYCANTHUS (Family: Calycanthaceae)

CALYCANTHUS FLORIDUS Linnaeus var. ***FLORIDUS*** - **Carolina Allspice**. 2n = 22, 24, 33.
Along streams, woods. From farther south.







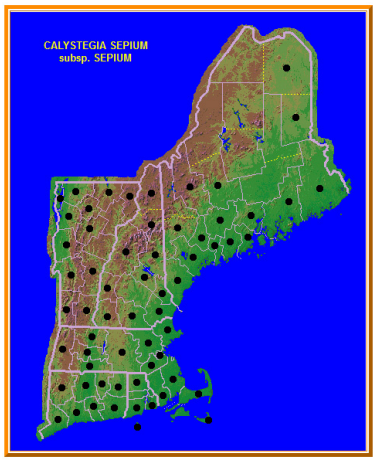
CALYCANTHUS FLORIDUS Linnaeus var. ***GLAUCUS*** (Willdenow) Torrey & A. Gray - **Carolina Allspice**. 2n = 22, (24).
Thickets. From farther south. [*C. FERTILIS* Walter]

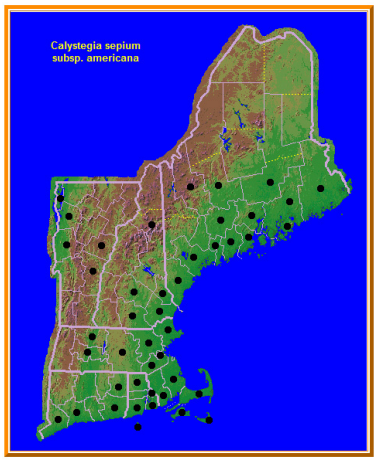
CALYPSO (Family: Orchidaceae)

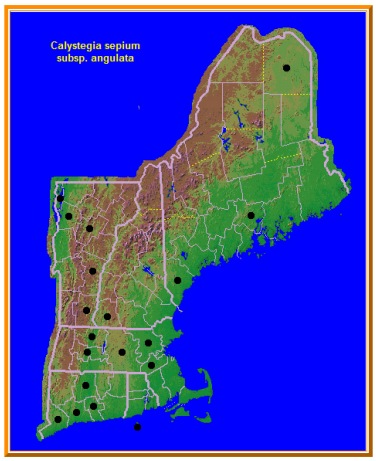
Calypso bulbosa (Linnaeus) Oakes var. ***americana*** (R. Brown) Luer - **Calypso**. 2n = 32.
Thuja swamps.

CALYSTEGIA (Family: Convolvulaceae)

CALYSTEGIA PUBESCENS Lindley - . 2n = 22.
Waste places, fields, roadsides, riverbanks. From eastern Asia. [*C. hederacea* misapplied; *Convolvulus japonicus* misapplied; *C. pellitus* misapplied]



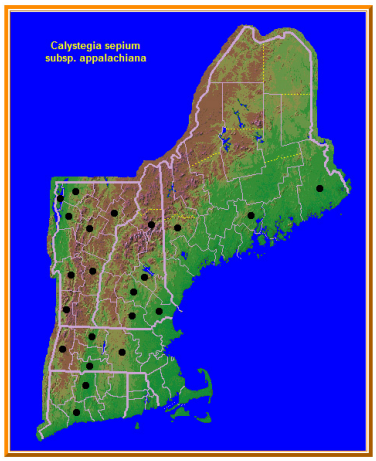


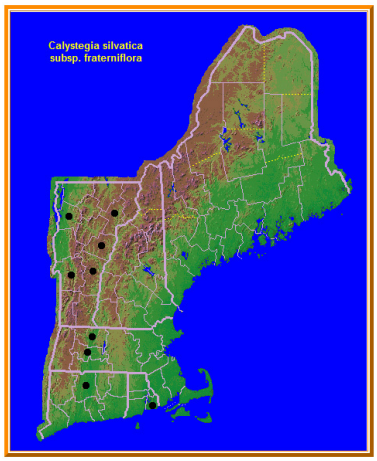


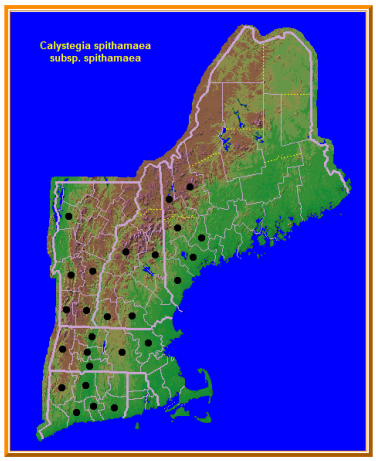
CALYSTEGIA SEPIUM (Linnaeus) R. Brown subsp. ***SEPIUM*** - . 2n = 22, (24).
Waste places. From Eurasia, northern Africa. [*CONVOLVULUS SEPIUM* Linnaeus var. *SEPIUM*] Note: The draft of the Flora of North America treatment of *Calystegia* asserts that this taxon is a rare introduction and has not been found in New England, implying that most or all of the records under this name in New England herbaria are misidentifications.

Calystegia sepium (Linnaeus) R. Brown subsp. ***americana*** (Sims) Brummitt - **Wild Morning-glory**. 2n = 22.
Coastal and subcoastal rocky shores, salt marshes, grassy banks, waste areas. [*Convolvulus sepium* Linnaeus var. *americanus* Sims; *C. sepium* var. *pubescens sensu* Gray's Manual 7th edition]

Calystegia sepium (Linnaeus) R. Brown subsp. ***angulata*** Brummitt - . 2n = ?
Riverbanks, roadsides, waste places. [*Convolvulus sepium* Linnaeus var. *repens* misapplied]



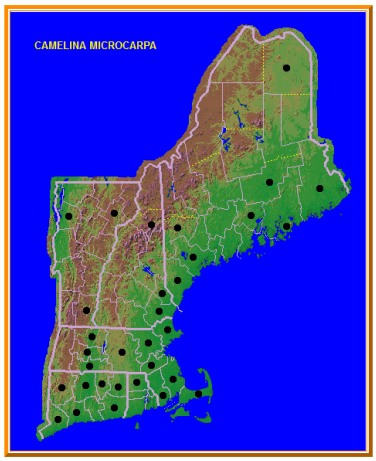


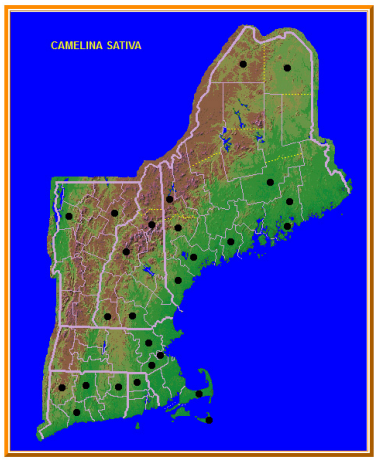


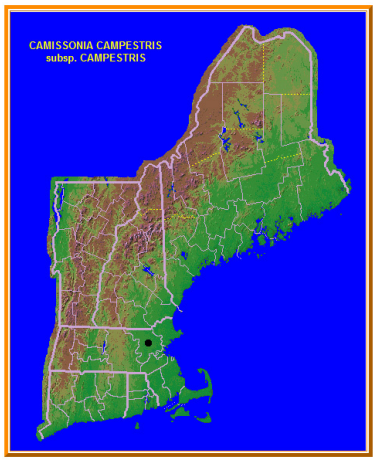
Calystegia sepium (Linnaeus) R. Brown subsp. ***appalachiana*** Brummitt - . 2n = ?
Roadsides, waste places, usually in upland areas.

Calystegia silvatica (Kitaibel) Grisebach subsp. ***fraterniflora*** (Mackenzie & Bush) Brummitt - **Twinflowered Morning-glory**. 2n = ?
Grassy banks, fields, thickets, roadsides, waste places. [*Convolvulus sepium* (Linnaeus) R. Brown var. *fraterniflorus* Mackenzie & Bush]

Calystegia spithamaea (Linnaeus) Pursh subsp. ***spithamaea*** - **Upright Bindweed**. 2n = 22.
Sandy or rocky, open soil, thin woods, roadsides. [*Convolvulus spithamaeus* Linnaeus]







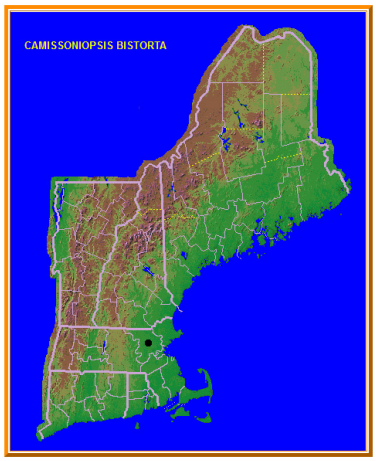
CAMELINA (Family: Brassicaceae)

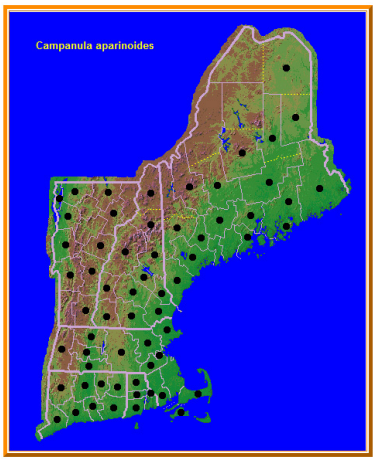
CAMELINA MICROCARPA Andrzejowski *ex* de Candolle - . 2n = (16), (18-20), (24), 26, (32), (38), 40.
Fields, roadsides, railroads. From Eurasia, northern Africa.

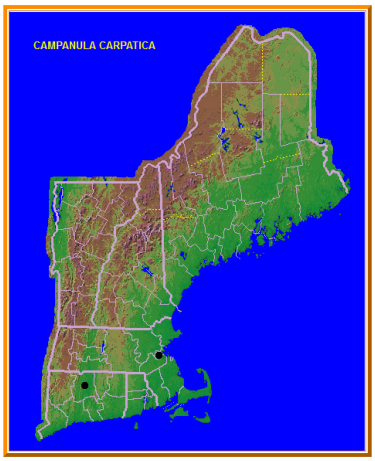
CAMELINA SATIVA (Linnaeus) Crantz - **Gold-of-pleasure**. 2n = (12), (16), (26), (28), (36), 40.
Fields, roadsides, waste places. From Eurasia.

CAMISSONIA (Family: Onagraceae)

CAMISSONIA CAMPESTRIS (Greene) P.H. Raven subsp. ***CAMPESTRIS*** - **Mojave Suncup**. 2n = 14.
Wool waste. From southwestern United States.







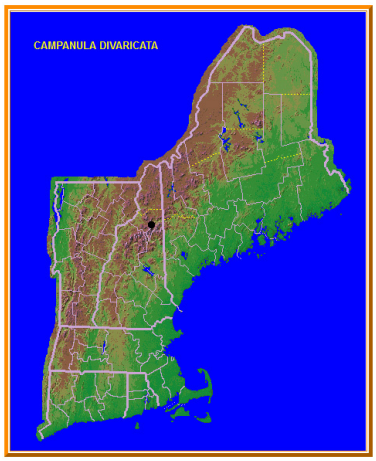
CAMISSONIOPSIS (Family: Onagraceae)

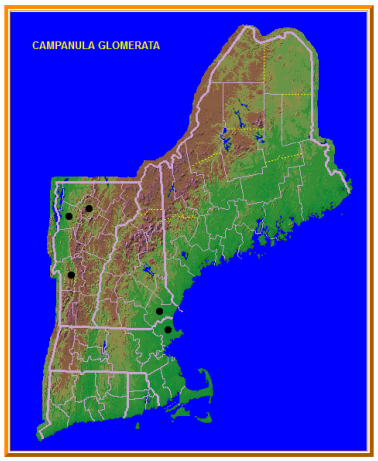
CAMISSONIOPSIS BISTORTA (Nuttall *ex* Torrey & A. Gray) W.L. Wagner & Hoch - **California Suncup**. 2n = 14.
Wool waste. From southern California.

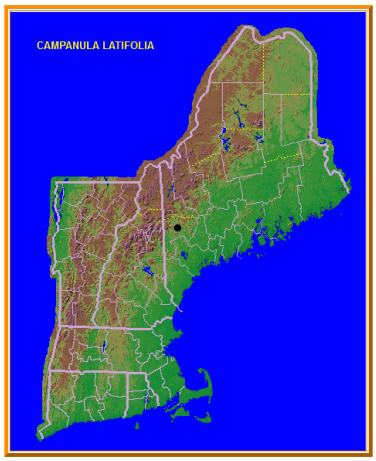
CAMPANULA (Family: Campanulaceae)

Campanula aparinoides Pursh - **Marsh Bellflower**. 2n = 34.
Swamps, shores, meadows. [*C. aparinoides* var. *grandiflora* Holzinger; *C. uliginosa* Rydberg]

CAMPANULA CARPATICA Jacquin - **Tussock Bellflower**. 2n = 34.
Fields. From eastern Europe.



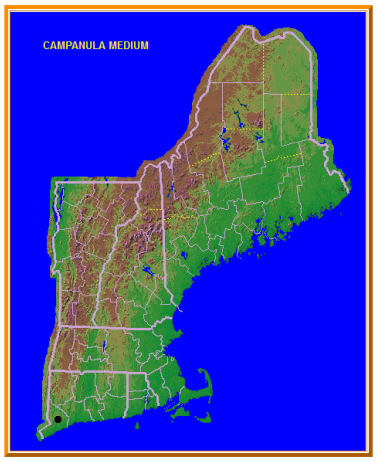


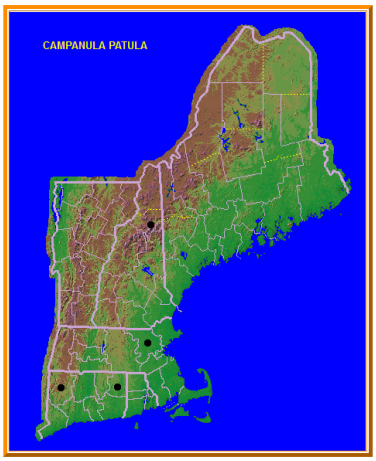


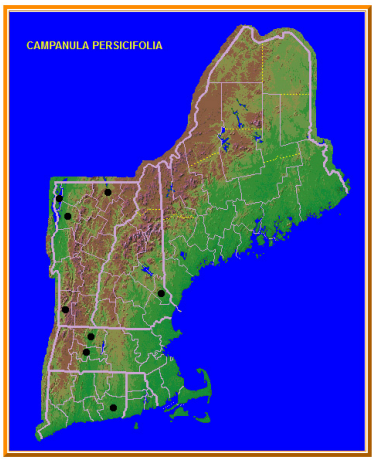
CAMPANULA DIVARICATA Michaux - **Southern Harebell**. 2n = 34.
Railroad ballast. From farther south.

CAMPANULA GLOMERATA Linnaeus - **Dane's-blood**. 2n = 30, (34), (68), (90).
Fields, roadsides. From Eurasia.

CAMPANULA LATIFOLIA Linnaeus - **Giant Bellflower**. 2n = 34, (68).
Roadsides, waste areas. From Eurasia.



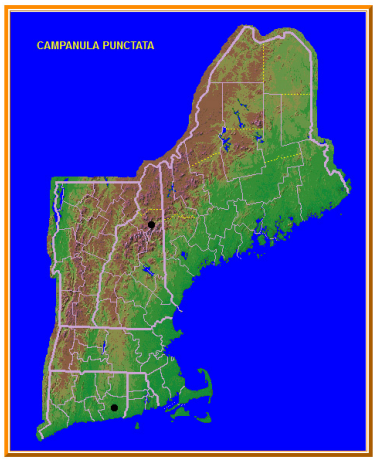


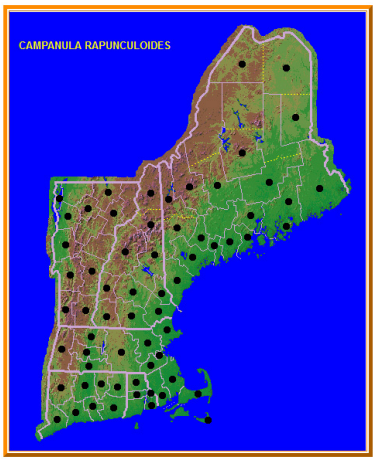


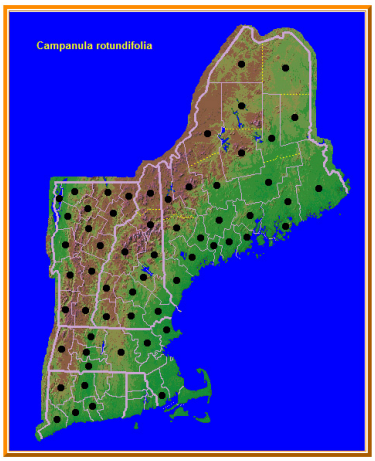
CAMPANULA MEDIUM Linnaeus - **Canterbury-bells**. 2n = (32), 34.
Waste places. From southern Europe.

CAMPANULA PATULA Linnaeus - . 2n = (18), 20, 40, (60), (80).
Waste places, fields, roadsides, riverbanks. From eastern Asia.

CAMPANULA PERSICIFOLIA Linnaeus - . 2n = 16, (32).
Wooded banks, cedar groves on high bluffs, shady ditches, wet meadows, roadsides, waste places. From Eurasia. [*C. PERSICIFOLIA* var. *ALBA* Hortulanorum]



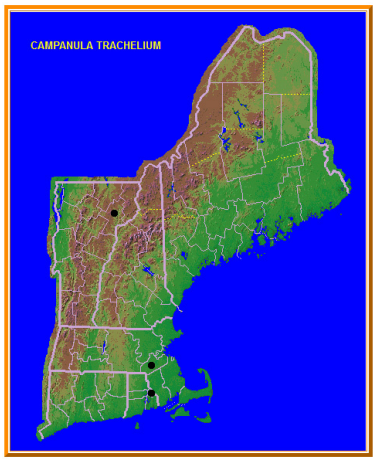


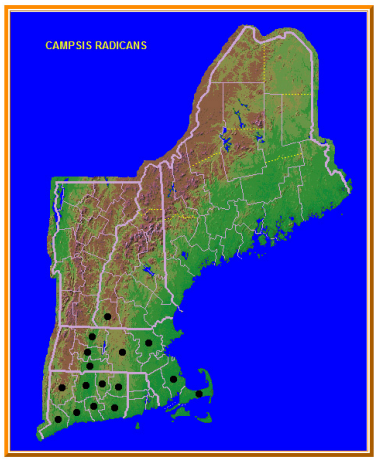


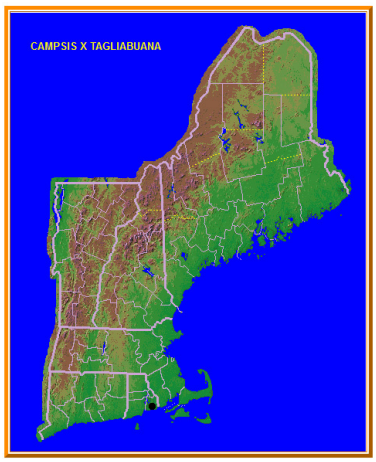
CAMPANULA PUNCTATA Lamarck - . 2n = 34.
Roadsides. From eastern Asia.

CAMPANULA RAPUNCULOIDES Linnaeus - **Creeping Bellflower**. 2n = 68, 102.
Roadsides, thickets, waste places. From Eurasia. [*C. RAPUNCULOIDES* var. *UCRANICA* (Besser) K. Koch]

Campanula rotundifolia Linnaeus - **Harebell**. 2n = 34, (51), 68, (102).
Ledges, rocky slopes, gravelly or rocky shores, meadows, fields, often in calcareous soil.







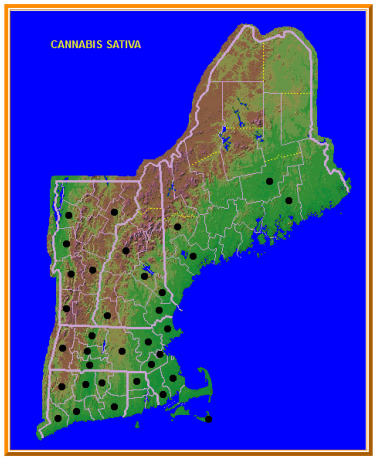
CAMPANULA TRACHELIUM Linnaeus - **Bats-in-the-belfry**. 2n = 34, (51), (58).
Waste places. From Eurasia, northern Africa.

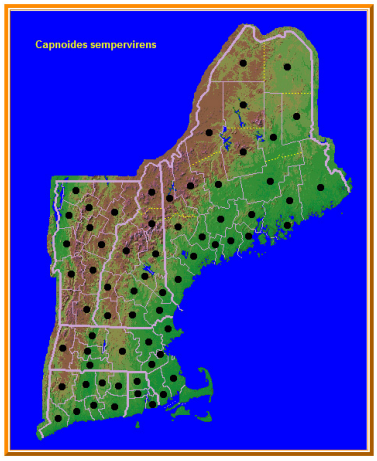
CAMPSIS (Family: Bignoniaceae)

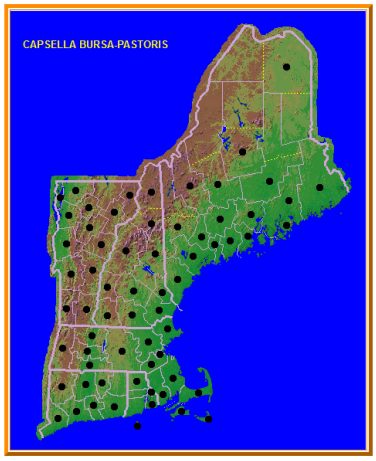
CAMPSIS RADICANS (Linnaeus) Bureau - **Trumpet-creeper**. 2n = (32), 40.
Fields, woods, thickets, waste places, roadsides, railroad right-of-ways. From farther south and west.

***Campsis* hybrid**

CAMPSIS X ***TAGLIABUANA*** (Visiani) Rehder - .
[*C. GRANDIFLORA* (Thunberg) K. Schumann X *C. RADICANS* (Linnaeus) Bureau]







CANNABIS (Family: Cannabaceae)

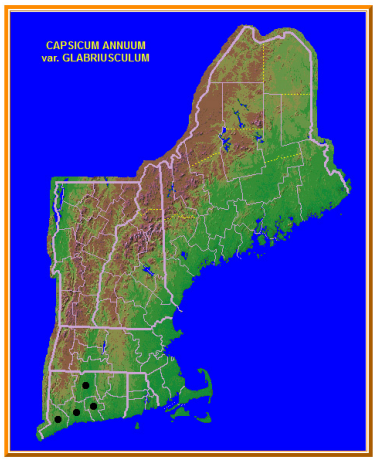
CANNABIS SATIVA Linnaeus - **Marijuana**. 2n = (18), 20, (40), (80).
Waste places, roadsides. From Asia.

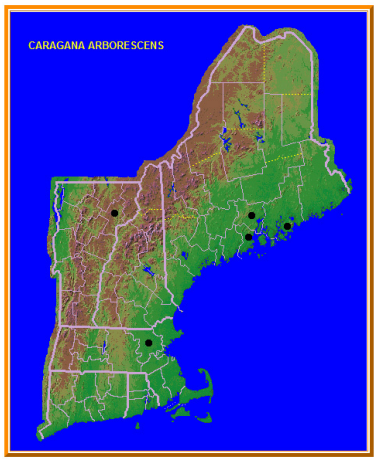
CAPNOIDES (Family: Papaveraceae)

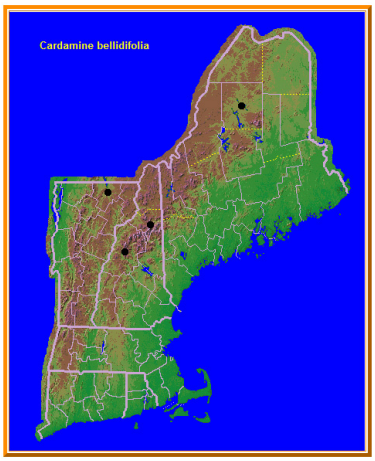
Capnoides sempervirens (Linnaeus) Borkhausen - **Pale Corydalis**. 2n = 16, (32).
Ledges, dry, rocky woods, recent clearings, frequently around old campfire sites. [*Corydalis sempervirens* (Linnaeus) Persoon]

CAPSELLA (Family: Brassicaceae)

CAPSELLA BURSA-PASTORIS (Linnaeus) Medikus - **Shepherd's-purse**. 2n = (12), (16), 32, (40).
Roadsides, fields, waste places. From Eurasia, northern Africa. [*C. BURSA-PASTORIS* var. *BIFIDA* Crépin; *C. RUBELLA* Reuter]







CAPSICUM (Family: Solanaceae)

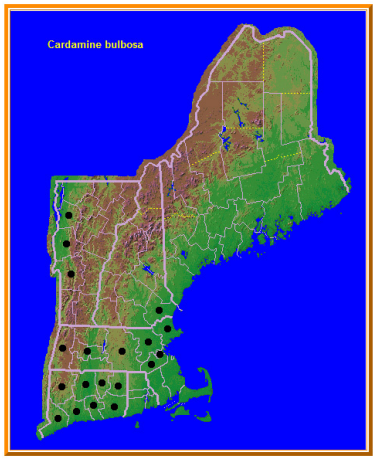
CAPSICUM ANNUUM Linnaeus var. ***GLABRIUSCULUM*** (Dunal) Heiser & Pickersgill - **Bird Pepper**. 2n = ?
Waste places, railroads. From farther south and west, Mexico, Central America, Caribbean, South America.

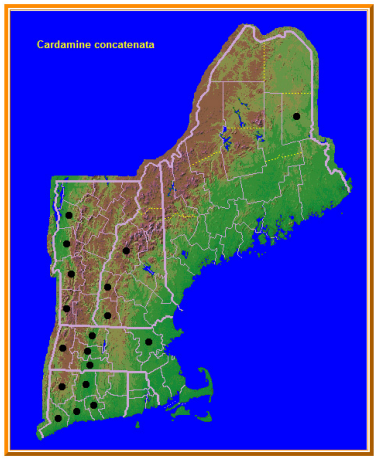
CARAGANA (Family: Fabaceae)

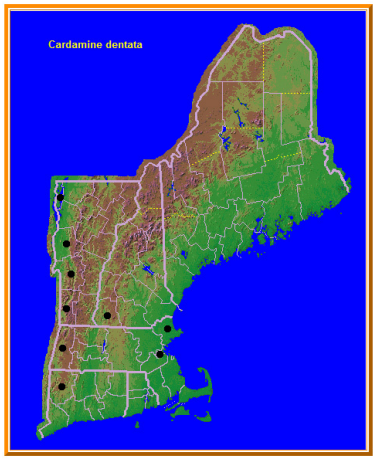
CARAGANA ARBORESCENS Lamarck - **Siberian Peatree**. 2n = 16, (20), (24).
Rich thickets, fields, roadsides, waste places. From central and eastern Asia.

CARDAMINE (Family: Brassicaceae)

Cardamine bellidifolia Linnaeus - **Alpine Cress**. 2n = 16, (32).
Alpine brooks, wet, mossy rocks at high altitudes.



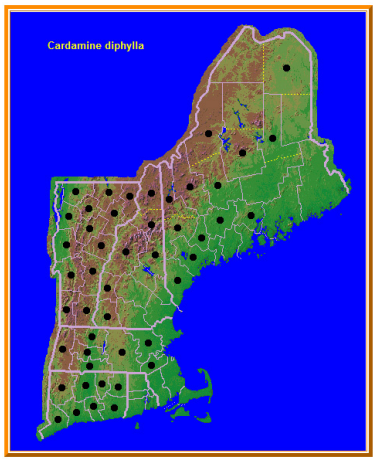


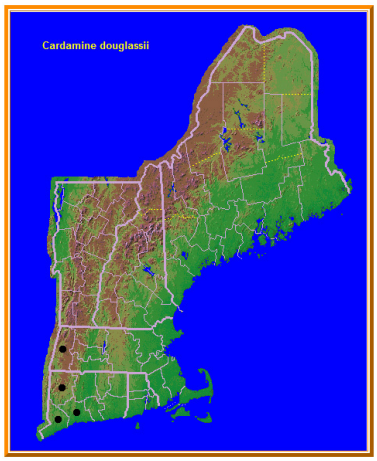


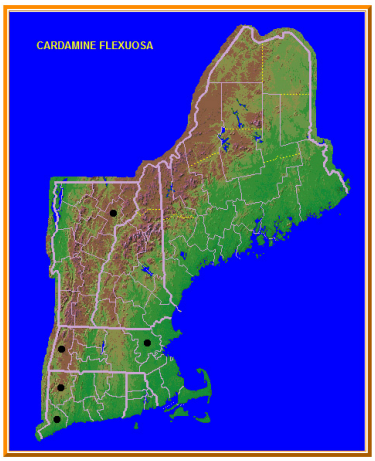
Cardamine bulbosa (Schreber *ex* Muhlenberg) Britton, Sterns & Poggenburg - **Spring Cress**. 2n = 16, 32, 48, 56, 64, 80, 96, 112.
About springs, wet woods, meadows. [*C. rhomboidea* (Persoon) de Candolle]

Cardamine concatenata (Michaux) O. Schwarz - **Pepper-root**. 2n = 128, 240, 256.
Rich, moist woods, calcareous rocky banks. [*Dentaria laciniata* Muhlenberg *ex* Willdenow]

Cardamine dentata Schultes - . 2n = 56, 64, ca. 72, 80, 84, 88.
Margins of shallow water, often calcareous, swampy woods. [*C. pratensis* Linnaeus var. *palustris* Wimmer & Grabowski; see Marhold 1994, also Marhold (pers. comm.)]



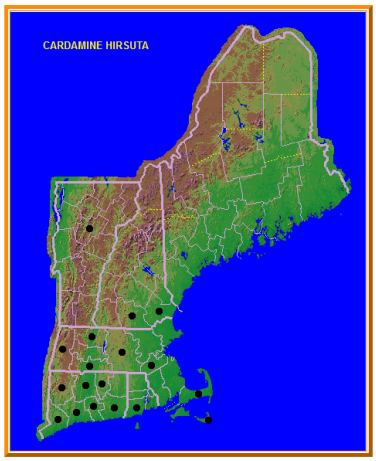


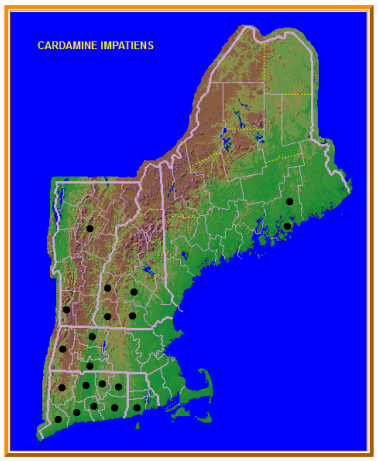


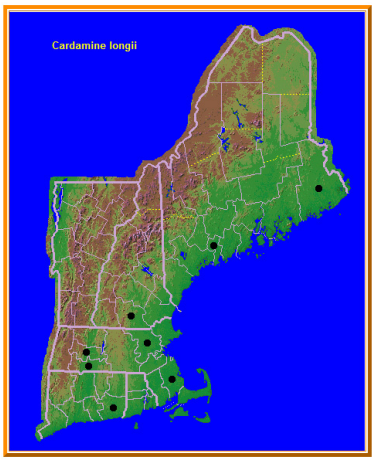
Cardamine diphylla (Michaux) Alph. Wood - **Crinkleroot**. 2n = 96.
Rich, moist woods. [*Dentaria diphylla* Michaux]

Cardamine douglassii Britton - **Purple Cress**. 2n = 56, 60, 64, 96, 112 144.
Rich, moist woods.

CARDAMINE FLEXUOSA Withering - **Woodland Bitter-cress**. 2n = (30), 32.
Fields, roadsides, disturbed areas. From Eurasia.



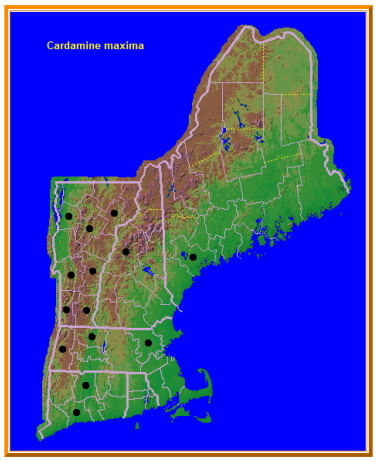


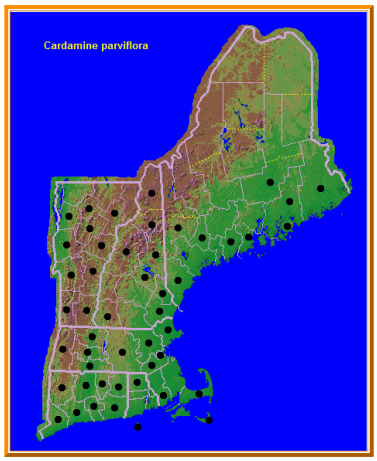


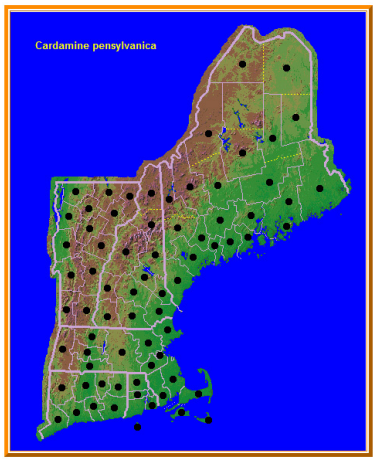
CARDAMINE HIRSUTA Linnaeus - **Hairy Bitter-cress**. 2n = (14), 16, (32), (64).
Roadsides, fields, waste places. From Eurasia.

CARDAMINE IMPATIENS Linnaeus - **Narrow-leaved Bitter-cress**. 2n = 16, (32).
Shaded grasslands, roadsides, disturbed areas, open woods. From Eurasia.

Cardamine longii Fernald - . 2n = ?
Tidal estuaries, tidal marshes.



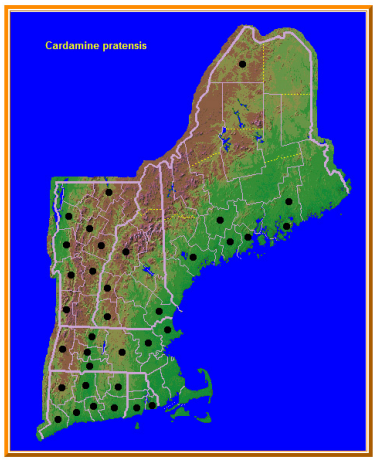


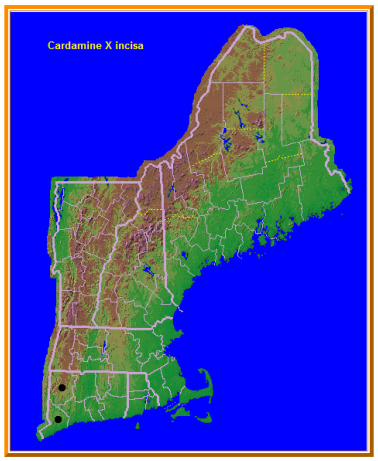


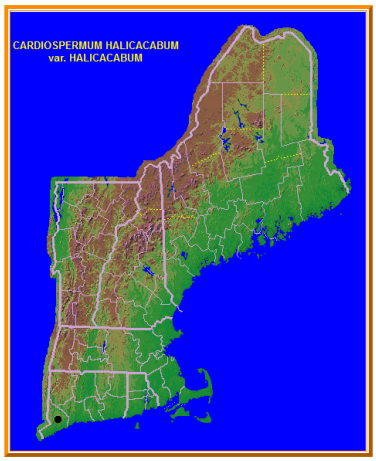
Cardamine maxima (Nuttall) Alph. Wood - **Large Toothwort**. 2n = 120, 124, 132, 138, 156, 161, 208.
Rich woods, woodland streambanks. [*C. anomala* (Eames) K. Schumann; *Dentaria anomala* Eames; *D. maxima* Nuttall]

Cardamine parviflora Linnaeus - **Sand Bitter-cress**. 2n = 16.
Dry, rocky or sandy woods, ledges. [*C. parviflora* var. *arenicola* (Britton) O.E. Schulz]

Cardamine pensylvanica Muhlenberg *ex* Willdenow - **Common Bitter-cress**. 2n = 32, (64).
Springs, brooksides, pond shores, swamps. [*C. pensylvanica* var. *brittoniana* Farwell]







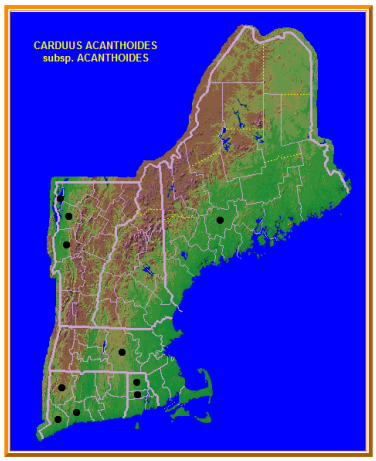
Cardamine pratensis Linnaeus - **Cuckooflower**. 2n = 16, 28, 30, 32, 34, 38, 40, 44, 46, 48, 56, 60, 88, 90.
Meadows, moist grounds.

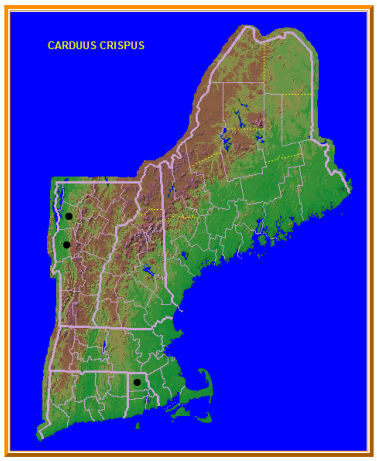
***Cardamine* hybrid**

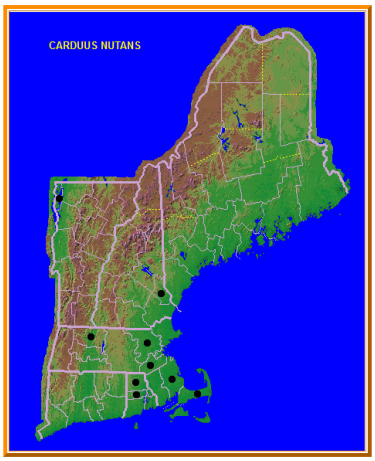
Cardamine X ***incisa*** K. Schumann (*pro species*) - .
[*C. concatenata* (Michaux) O. Schwarz X *C. maxima* (Nuttall) Alph. Wood; *Dentaria* X *incisifolia* Eames *ex* Britton]

CARDIOSPERMUM (Family: Sapindaceae)

CARDIOSPERMUM HALICACABUM Linnaeus var. ***HALICACABUM*** - **Balloon-vine**. 2n = 22.
Waste places. From South America, Africa.





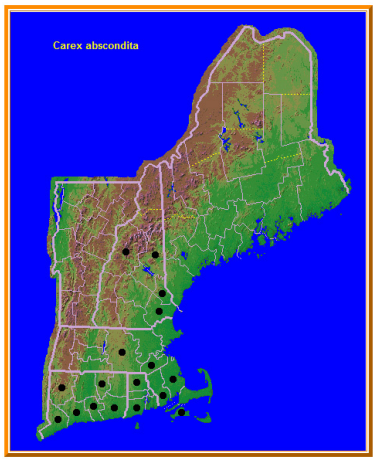


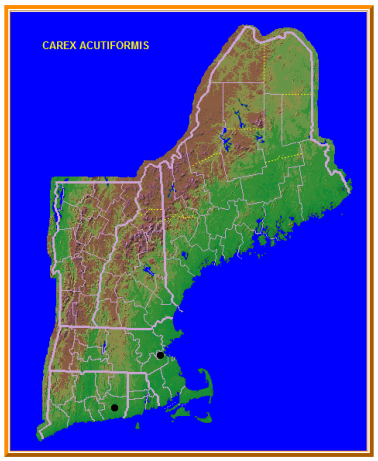
CARDUUS (Family: Asteraceae)

CARDUUS ACANTHOIDES Linnaeus subsp. ***ACANTHOIDES*** - **Plumeless Thistle**. 2n = (16), (20), 22.
Roadsides, waste places, fields. From Eurasia.

CARDUUS CRISPUS Linnaeus - **Welted Thistle**. 2n = (6), 16, (18), (22).
Roadsides, waste places, fields. From Eurasia.

CARDUUS NUTANS Linnaeus - **Musk Thistle**. 2n = 16, (40).
Roadsides, waste places, fields. From Eurasia.



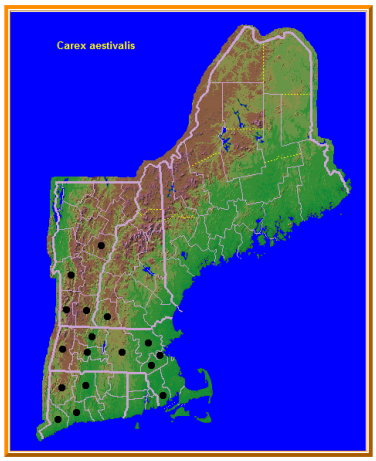


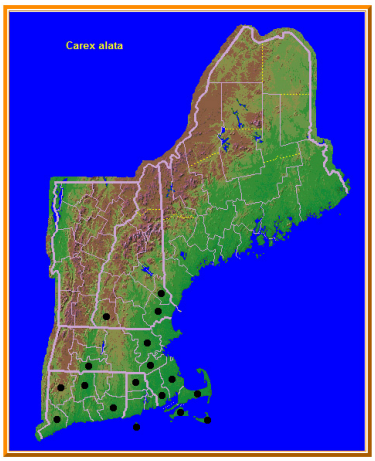
CAREX (Family: Cyperaceae)

Carex abscondita Mackenzie - . 2n = 48.
Rich, moist, deciduous or deciduous-evergreen woods.

CAREX ACUTIFORMIS Ehrhart - . 2n = 38, 78.
Open swamps and wet thickets, borders of saline marshes, boggy meadows, lake shores. From Europe.

Carex adusta Boott - . 2n = 64, 78.
Dry, open, sandy woods and clearings, in acid soil.

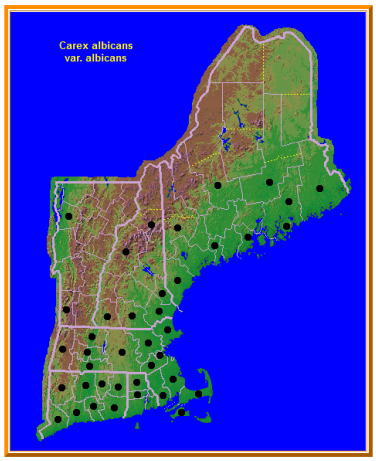


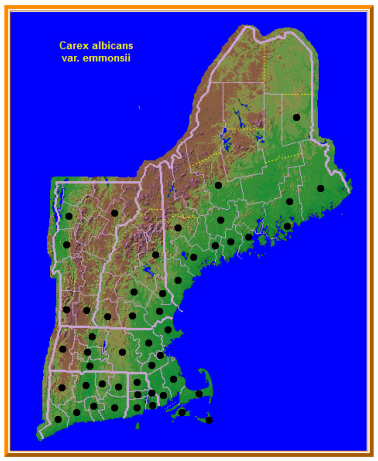


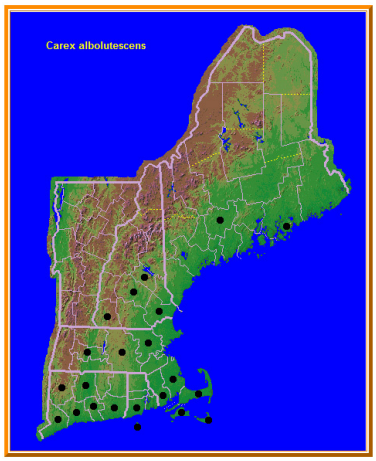
Carex aestivalis M.A. Curtis *ex* A. Gray - **Summer Sedge**. 2n = 56.
Wooded or rocky slopes.

Carex aggregata Mackenzie - . 2n = 52.
Meadows, thickets, rich woods, usually on calcareous soil. [*C. sparganioides* Muhlenberg *ex* Willdenow var. *aggregata* (Mackenzie) Gleason]

Carex alata Torrey - . 2n = 74.
Marshes, low woods, peaty shores, wet thickets.



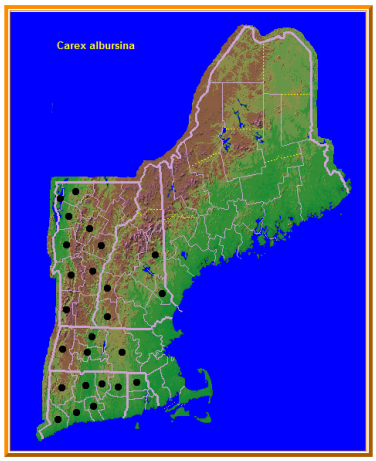


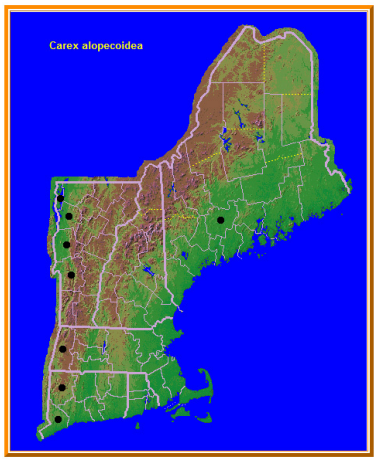


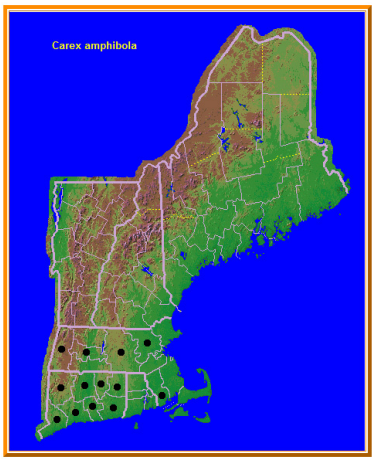
Carex albicans Willdenow *ex* Sprengel var. ***albicans*** - . 2n = 36.
Dry, usually acidic woods and clearings. [*C. artitecta* Mackenzie var. *artitecta*; *C. artitecta* var. *subtilirostris* F.J. Hermann; *C. nigromarginata* Schweinitz var. *muhlenbergii* (A. Gray *ex* Torrey) Gleason]

Carex albicans Willdenow *ex* Sprengel var. ***emmonsii*** (Dewey *ex* Torrey) Rettig - . 2n = 40.
Woods, usually deciduous, clearings. [*C. emmonsii* Dewey *ex* Torrey]

Carex albolutescens Schweinitz - . 2n = 64, 66.
Acidic swamps, wet woods, thickets**.**



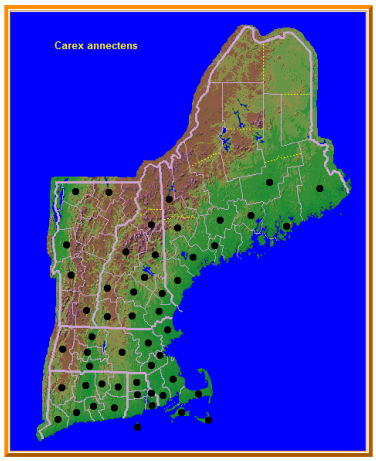


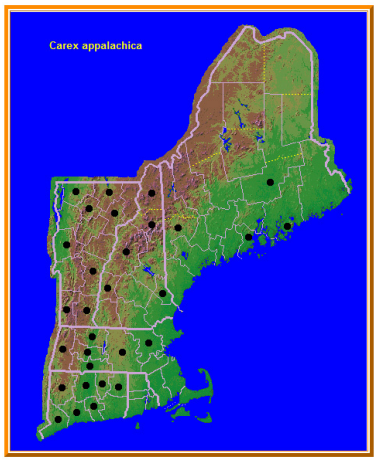


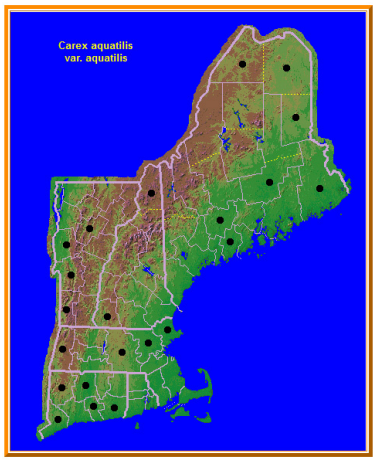
Carex albursina E. Sheldon - . 2n = 44.
Moist, calcareous, deciduous woods and ravines. [*C. laxiflora* Lamarck var. *latifolia* Boott]

Carex alopecoidea Tuckerman - . 2n = (50), 68.
Calcareous meadows, swales, alluvial woods, low thickets.

Carex amphibola Steudel - . 2n = ?
Moist, deciduous woods.



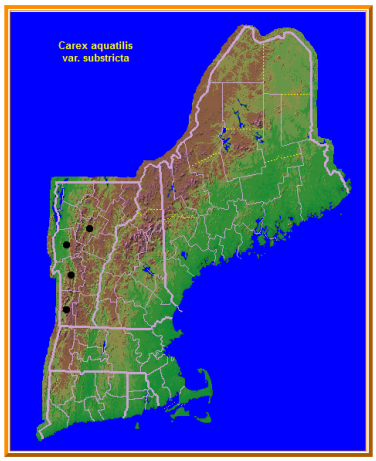


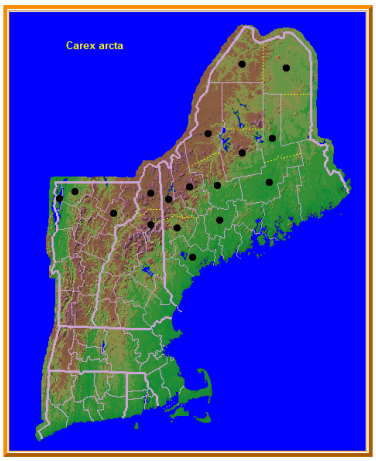


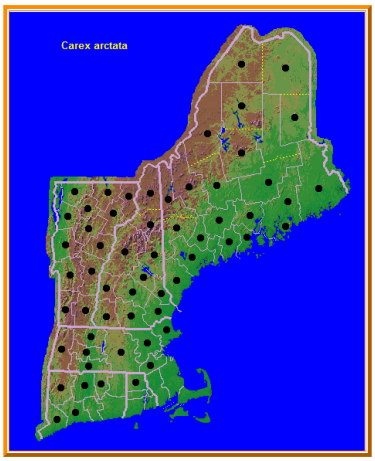
Carex annectens (E.P. Bicknell) E.P. Bicknell - . 2n = 50, 52.
Sterile, often sandy soils, dry or moist. [*C. annectens* var. *xanthocarpa* (Kükenthal) Wiegand; *C. brachyglossa* Mackenzie]

Carex appalachica J.M. Webber & P.W. Ball - . 2n = 52.
Deciduous or mixed woodlands, usually on sandy or rocky soils. [*C. radiata* misapplied]

Carex aquatilis Wahlenberg var. ***aquatilis*** - . 2n = (72), (74), (75), 76, (78), (79), (80), (84), (148).
Calcareous marshes, bogs, meadows and shores. [*C. aquatilis* var. *altior* misapplied]



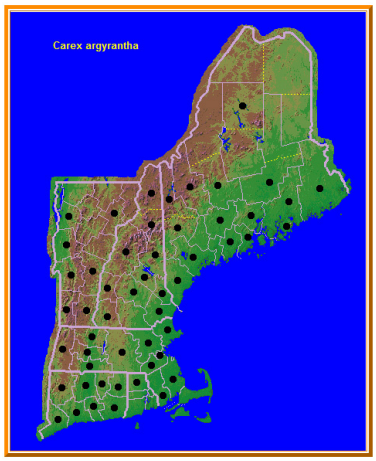


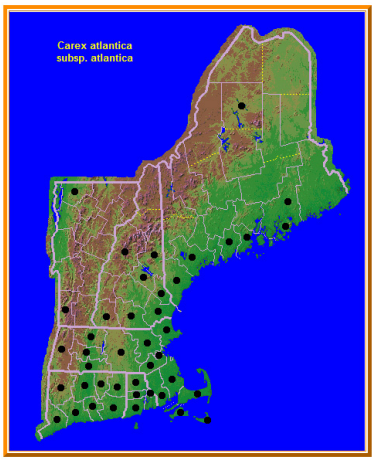


Carex aquatilis Wahlenberg var. ***substricta*** Kükenthal - . 2n = 76, 77.
Neutral or calcareous marshes and shores.

Carex arcta Boott - . 2n = (52), (54), 60.
Wet woods, alluvial thickets, shores and meadows.

Carex arctata Boott - . 2n = 52, 54, 56.
Woods.

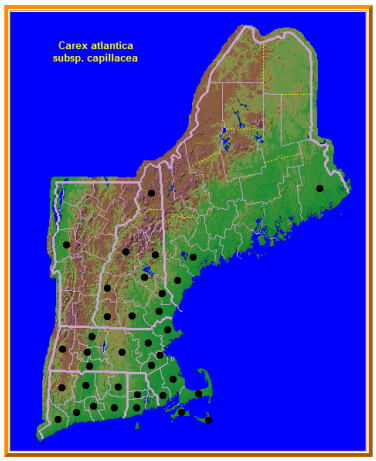


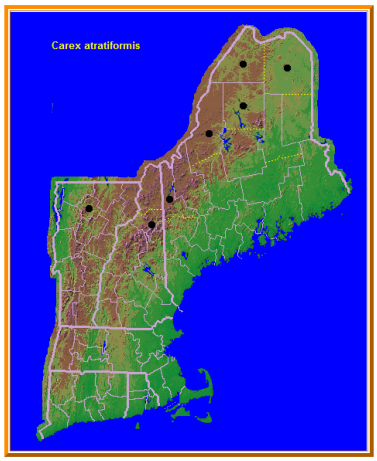


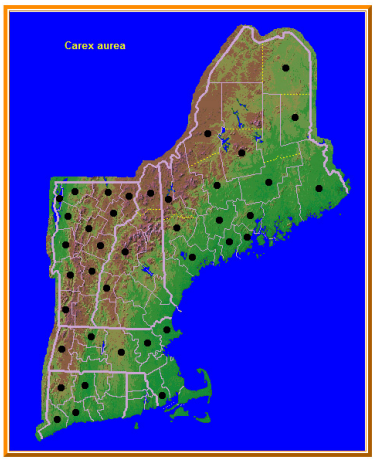
Carex argyrantha Tuckerman - . 2n = 64, 80.
Dry, open woods on acidic, rocky or sandy soils.

Carex atherodes Sprengel - . 2n = 74, 78.
Calcareous meadows, wet, open thickets, shores.

Carex atlantica L.H. Bailey subsp. ***atlantica*** - . 2n = 44, 54.
Bogs and other sphagnous soils. [*C. incomperta* E.P. Bicknell]



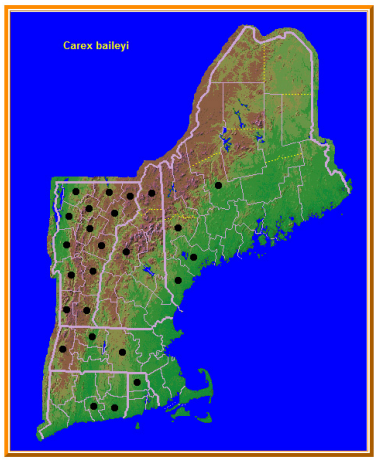


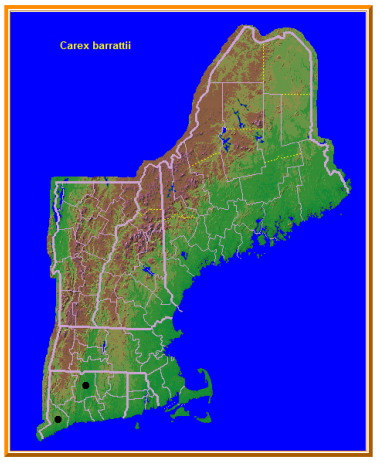


Carex atlantica L.H. Bailey subsp. ***capillacea*** (L.H. Bailey) Reznicek - . 2n = ?
Bogs, wet, acidic soils. [*C. howei* Mackenzie]

Carex atratiformis Britton - . 2n = 54.
Ravines, damp slopes, shores, often calcareous or circumneutral.

Carex aurea Nuttall - . 2n = 52.
Meadows, springy banks, shores, usually on basic soil.

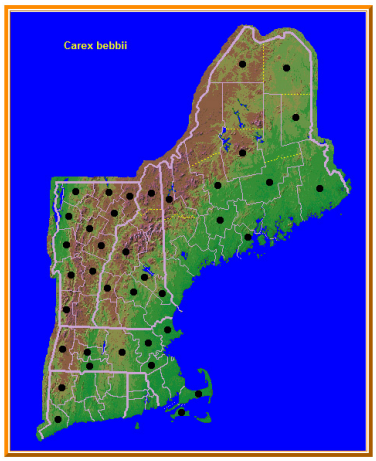


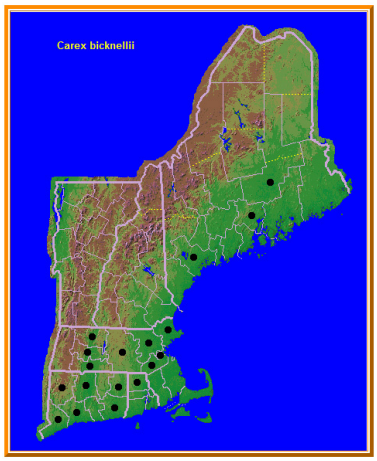


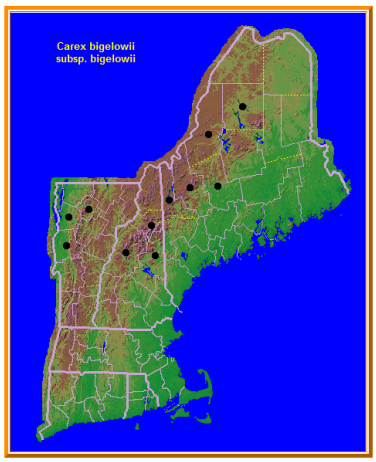
Carex backii Boott - . 2n = 66.
Dry, rocky or sandy woods and bluffs.

Carex baileyi Britton - . 2n = ?
Shores, swampy woods, meadows, usually in acidic soils.

Carex barrattii Schweinitz & Torrey - . 2n = ?
Bogs, swamps, wet woods, usually in acidic soils.



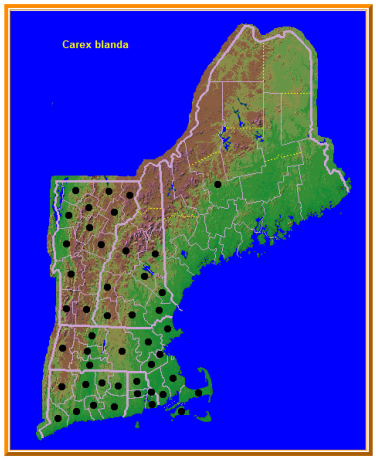


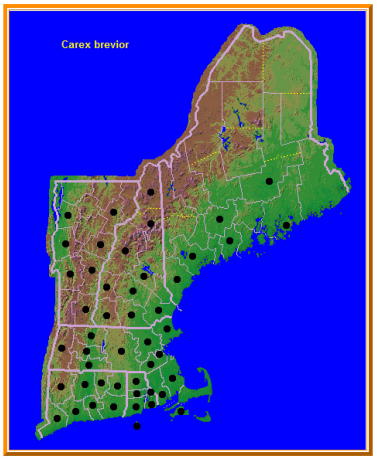


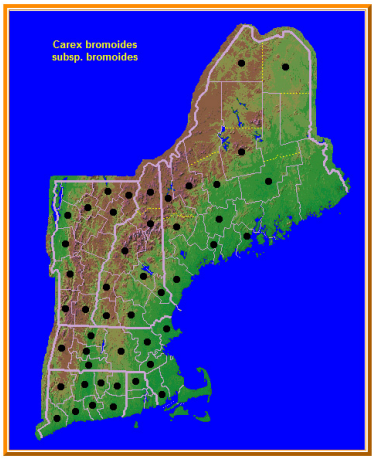
Carex bebbii (L.H. Bailey) Olney *ex* Fernald - . 2n = 68, 70.
Shores, meadows, forest seeps, usually in calcareous or neutral soils.

Carex bicknellii Britton - . 2n = 74, 76, 78.
Dry slopes, fields, open woods, rock or sand barrens.

Carex bigelowii Torrey *ex* Schweinitz subsp. ***bigelowii*** - . 2n = (68), (69), 70, (71).
Dry to moist alpine areas.



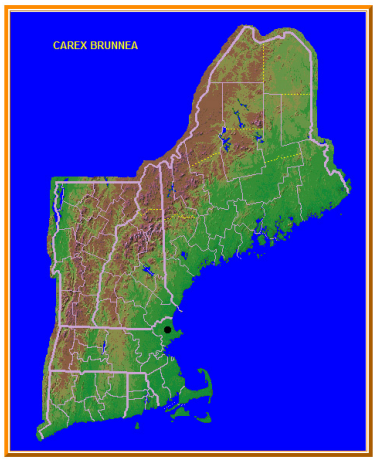


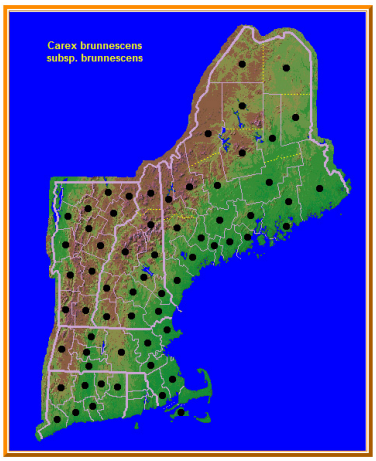


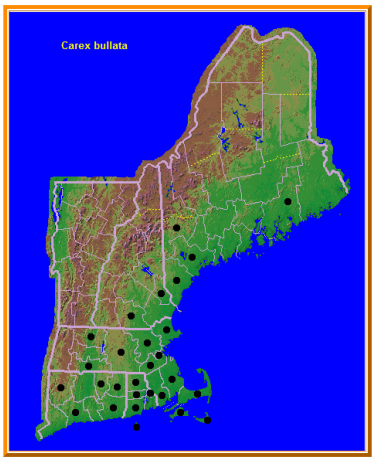
Carex blanda Dewey - . 2n = 30, 32, 34, 36, 38.
Woods, deciduous or mixed, bottomlands, meadows.

Carex brevior (Dewey) Mackenzie - . 2n = 48, 52, 56, 60, 64, 68, 74.
Dry open soil, often in calcareous or neutral soils.

Carex bromoides Schkuhr *ex* Willdenow subsp. ***bromoides*** - . 2n = 64, 66, 68.
Rich, low woods and swamps.





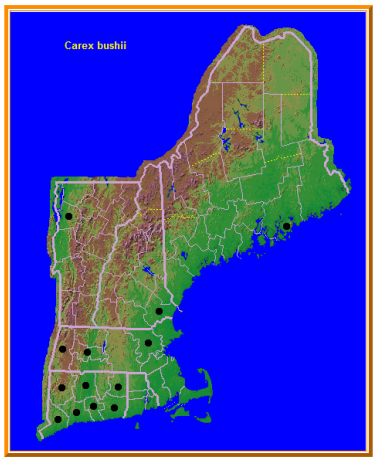


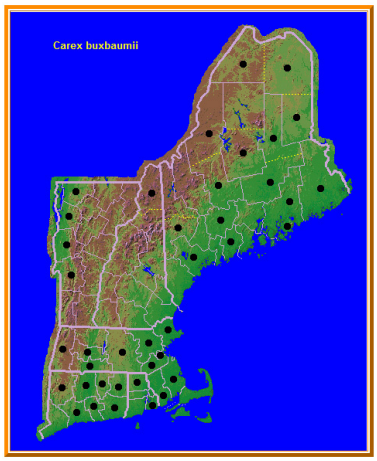
CAREX BRUNNEA Thunberg - . 2n = 58, 62.
On "made-land" at or near coast, that is, on artificial fill. From east Asia and Australia.

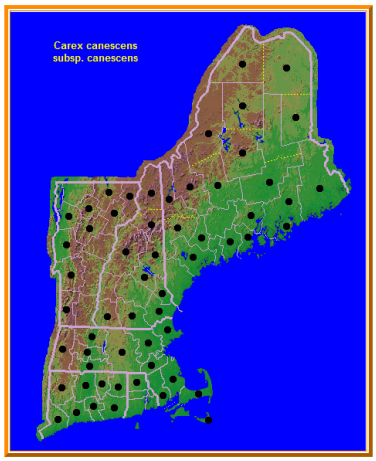
Carex brunnescens (Persoon) Poiret subsp. ***brunnescens*** - . 2n = (ca. 44), 56.
Rocky or turfy summits and slopes.

Carex brunnescens (Persoon) Poiret subsp. ***sphaerostachya*** (Tuckerman) Kalela - . 2n = 56.
Woods, clearings and rocky slopes. [*C. brunnescens* var. *sphaerostachya* (Tuckerman) Kükenthal]
Note: This taxon is **not mapped** since the specimens at Harvard including those of the New England Botanical Club are filed together with those of the typical variety with which it intergrades. None of the specimens have been annotated by modern specialists.

Carex bullata Schkuhr *ex* Willdenow - . 2n = ?
Bogs, boggy meadows, sphagnous or sandy shores.



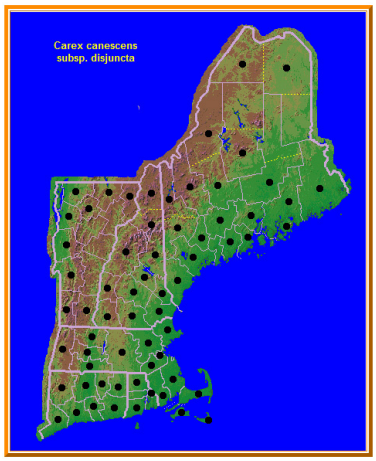


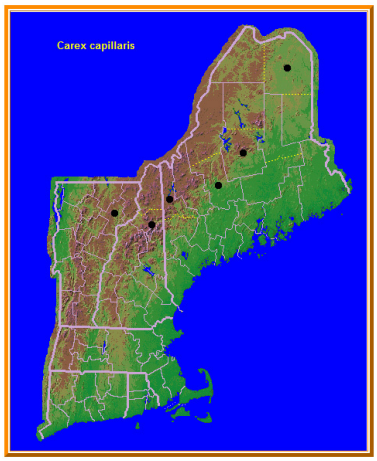


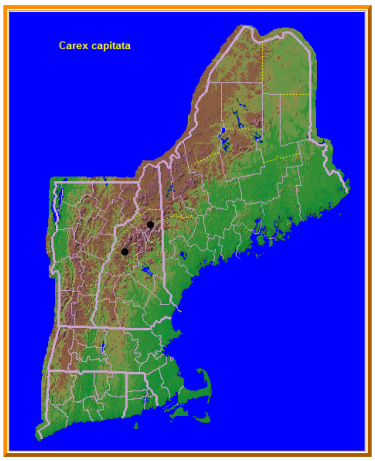
Carex bushii Mackenzie - . 2n = 48, 52, 64.
Meadows, usually calcareous, grasslands, open woods.

Carex buxbaumii Wahlenberg - . 2n = 74, 100, 106.
Shores, meadows, swamps, marshes, bogs.

Carex canescens Linnaeus subsp. ***canescens*** - . 2n = (54), 56, (60), (62), (72).
Sphagnum bogs, swamps, moist, coniferous woods, meadows. [*C. canescens* var. *subloliacea sensu* Fernald]



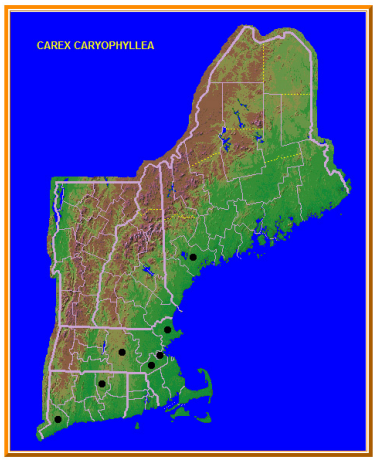


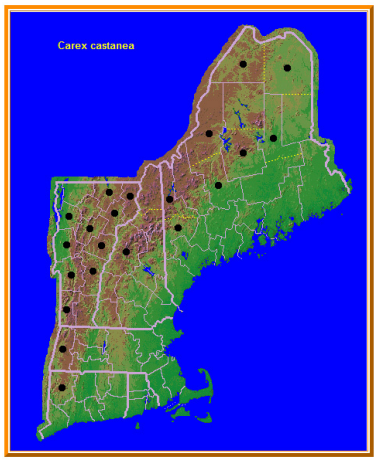


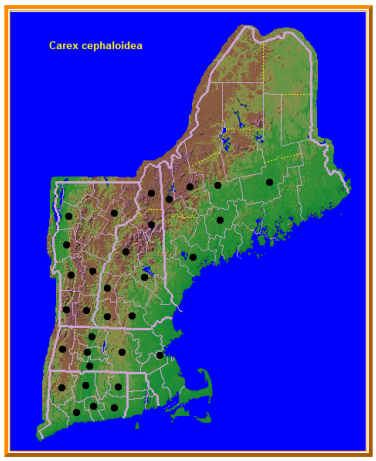
Carex canescens Linnaeus subsp. ***disjuncta*** (Fernald) Toivonen - . 2n = 54.
Sphagnum bogs, swamps, moist, coniferous woods, meadows. [*C. canescens* var. *disjuncta* Fernald]

Carex capillaris Linnaeus - . 2n = (18), (48), (52), 54.
Alpine regions. [*C. capillaris* var. *elongata* Olney *ex* Fernald; *C. capillaris* var. *major* Drejer]

Carex capitata Linnaeus - . 2n = 50.
Heaths of boreal woods, alpine zones.



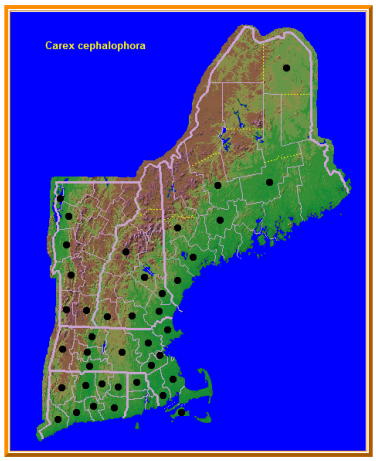


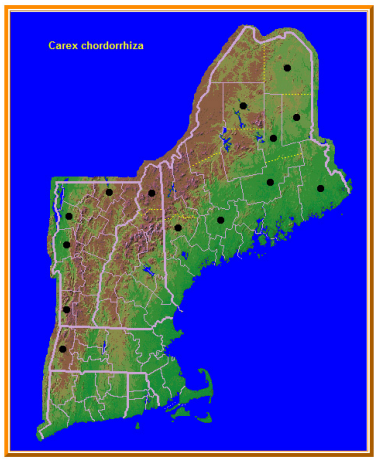


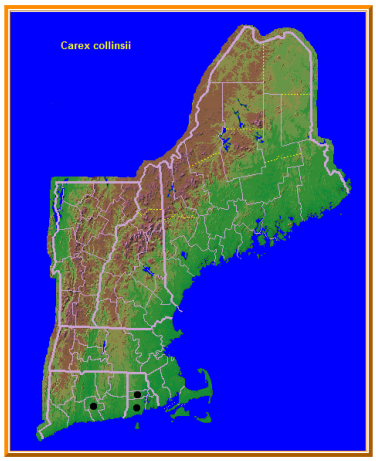
CAREX CARYOPHYLLEA Latourette - . 2n = 58, 62, 64, 66, 67, 68.
Dry roadsides, pastures and graveyards. From Europe.

Carex castanea Wahlenberg - . 2n = 44, 64.
Calcareous woods, cedar swamps, meadows.

Carex cephaloidea (Dewey) Dewey - . 2n = 50, 52.
Rich woods, bottomlands and forest margins, on neutral or basic soils. [*C. sparganioides* Muhlenberg *ex* Willdenow var. *cephaloidea* (Dewey) J. Carey]



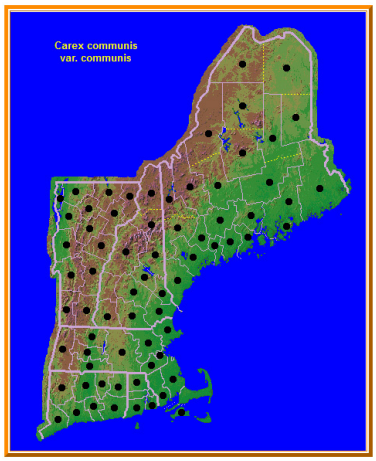


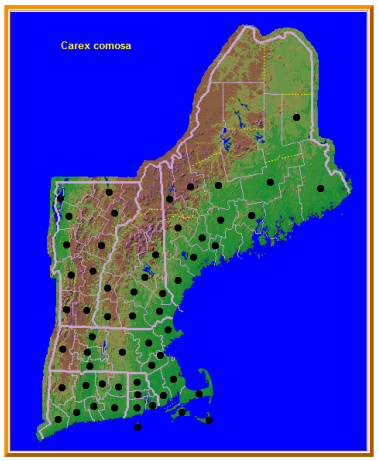


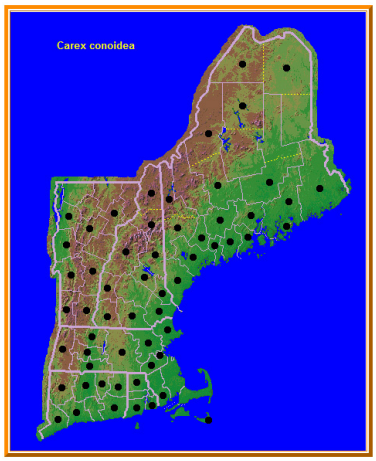
Carex cephalophora Muhlenberg *ex* Willdenow - . 2n = 48, 50.
Dry, deciduous or mixed woodlands and openings.

Carex chordorrhiza Linnaeus (son) - **Creeping Sedge**. 2n = 60, 62, ca. 66, 70.
Quagmires, bogs, lake shores.

Carex collinsii Nuttall - . 2n = ?
Sphagnum bogs, sphagnous wooded swamps, typically under *Picea mariana* or *Chamaecyparis thyoides*.



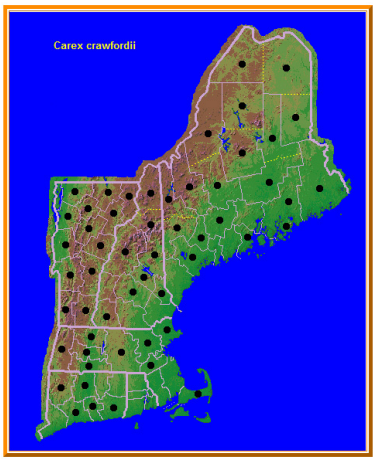


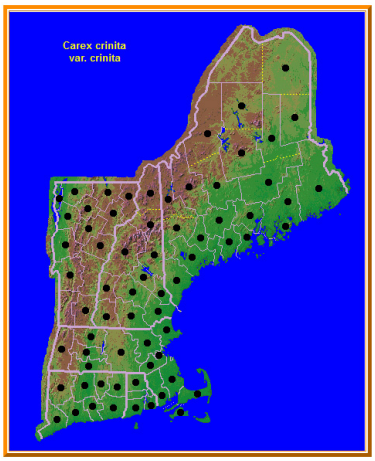


Carex communis L.H. Bailey var. ***communis*** - . 2n = 28.
Woods, slopes, ledges, clearings.

Carex comosa Boott - . 2n = ?
Swamps, shores, marshes, meadows.

Carex conoidea Schkuhr *ex* Willdenow - **Field Sedge**. 2n = ?
Grassy meadows and shores, usually in acidic sands or gravel. [*C. katahdinensis* Fernald]

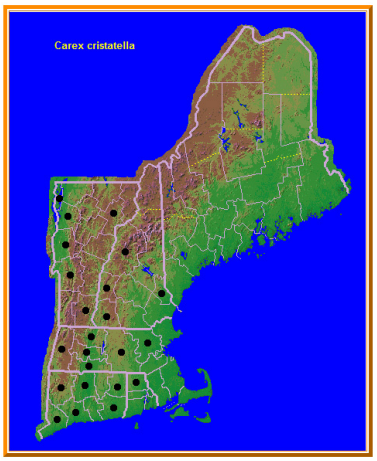


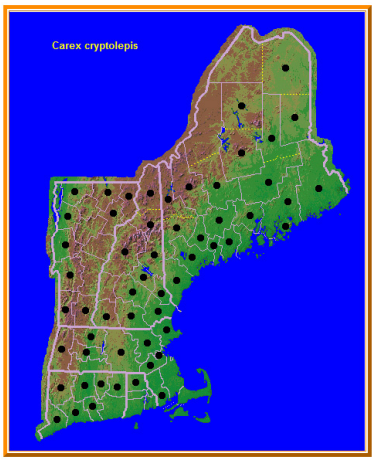


Carex crawei Dewey - . 2n = 38, 59, 60.
Calcareous shores, gravels, meadows, glades and quarries.

Carex crawfordii Fernald - . 2n = (52), (ca. 66), 68.
Open ground, wet or dry.

Carex crinita Lamarck var. ***crinita*** - . 2n = 66, 67, 68.
Swamps, marshes, bogs, shores, meadows, low woods, swales. [*C. crinita* var. *minor* Boott]

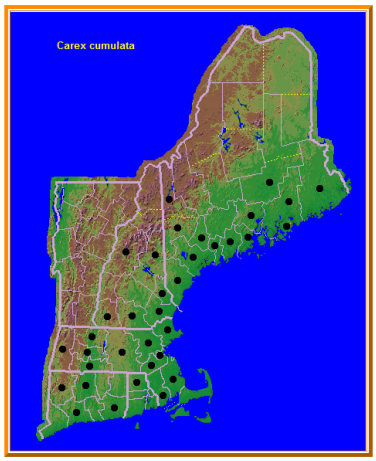


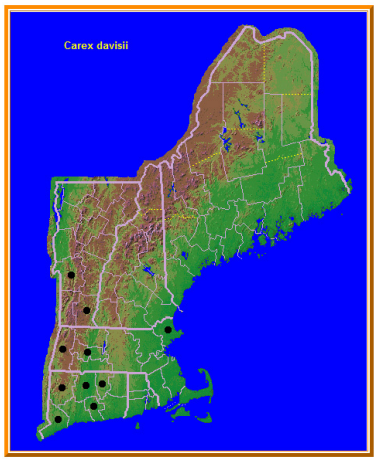


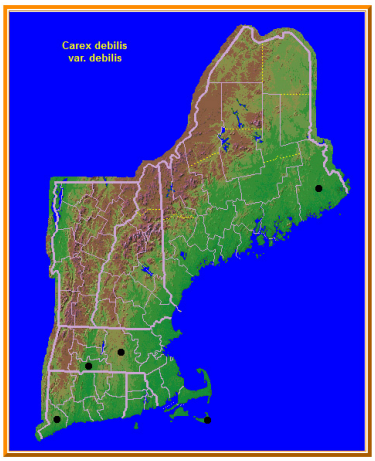
Carex crinita Lamarck var. ***brevicrinis*** Fernald - . 2n = 66.
Wooded swamps, shores, low woods.

Carex cristatella Britton - . 2n = 64, 70.
Meadows, damp woods, marshes, stream banks.

Carex cryptolepis Mackenzie - . 2n = 64.
Shores, on acidic, sandy or organic soil.



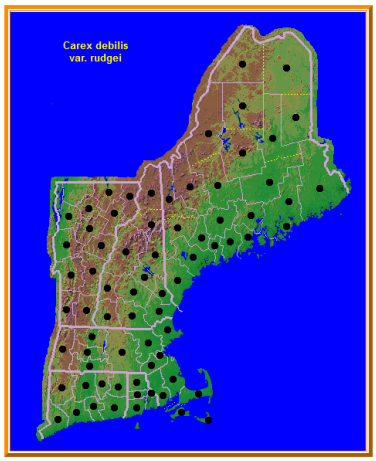


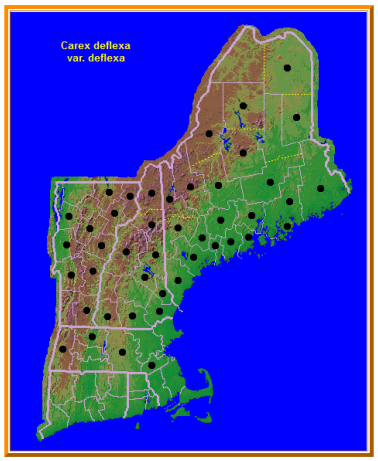


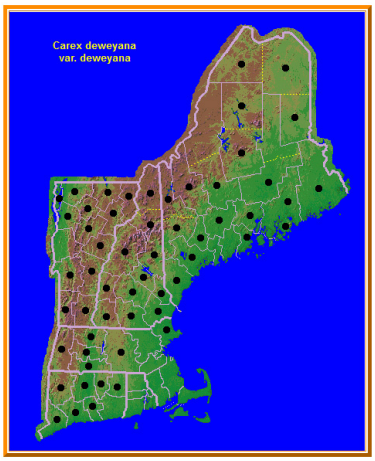
Carex cumulata (L.H. Bailey) Mackenzie - . 2n = 56, 58.
Acidic soils, dry or moist, open or wooded, often associated with *Polytrichum*.

Carex davisii Schweinitz & Torrey - . 2n = ?
Rich, calcareous, deciduous woods, meadows, shores.

Carex debilis Michaux var. ***debilis*** - . 2n = 52, 54, 55, 56.
Moist, deciduous woods, edges, clearings swamps, usually in soils with pH below 6.



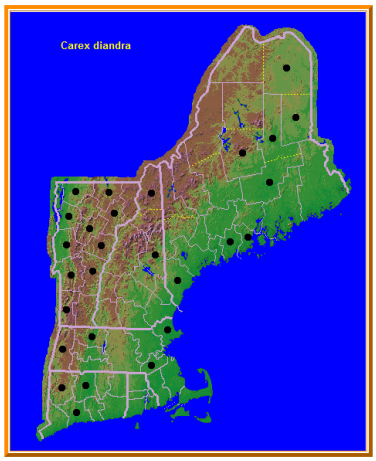


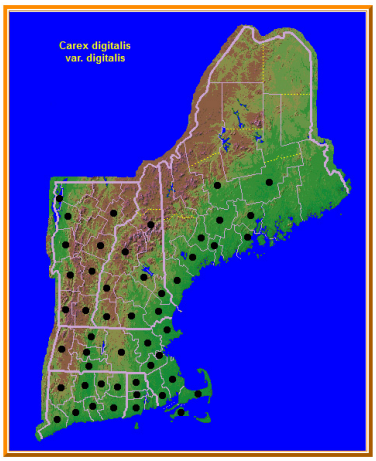


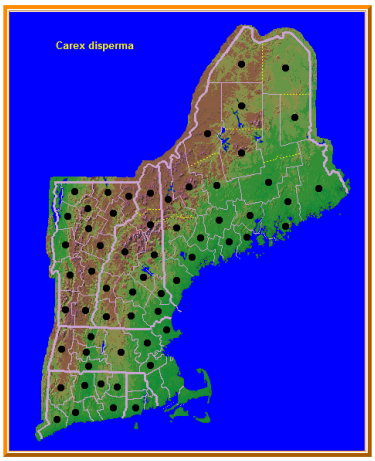
Carex debilis Michaux var. ***rudgei*** L.H. Bailey - . 2n = 50, 52, 54, 56, 60.
Open, moist, deciduous, woods, edges, clearings, meadows, usually on soils with pH below 6. [*C. debilis* var. *interjecta* L.H. Bailey; *C. debilis* var. *strictior* L.H. Bailey]

Carex deflexa Hornemann var. ***deflexa*** - **Northern Sedge**. 2n = 20, 24, 36.
Woods, clearings, turfy or rocky slopes.

Carex deweyana Schweinitz var. ***deweyana*** - . 2n = 54, (56).
Rich, open woods, woodland edges.



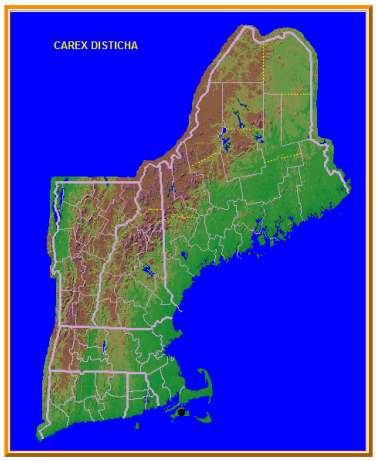


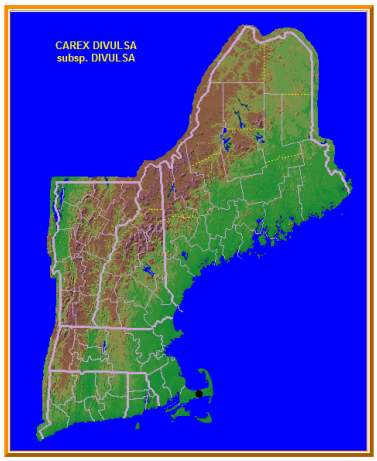


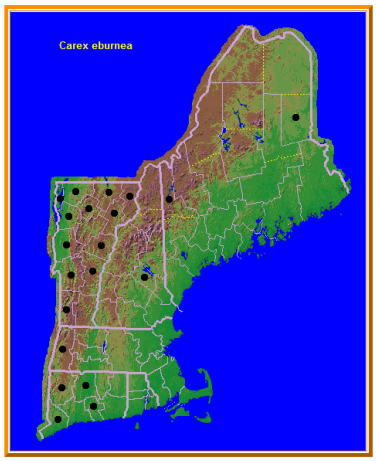
Carex diandra Schrank - **Panicled Sedge**. 2n = (54), 60.
Swampy, marshy or boggy areas, often calcareous.

Carex digitalis Willdenow var. ***digitalis*** - . 2n = 48.
Deciduous or mixed woodlands.

Carex disperma Dewey - . 2n = 70.
Mossy or damp coniferous woods, bogs, clearings. [*C. tenella* Schkuhr - illegitimate name]



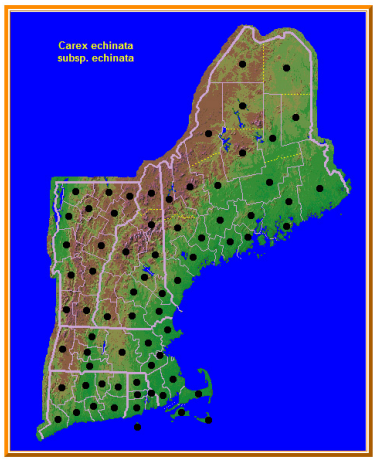




CAREX DISTICHA Hudson - . 2n = 62.
Tidal saltwater pond shore. From Eurasia.

CAREX DIVULSA Stokes subsp. ***DIVULSA*** - **Grey Sedge**. 2n = 58.
Roadsides. From Eurasia.

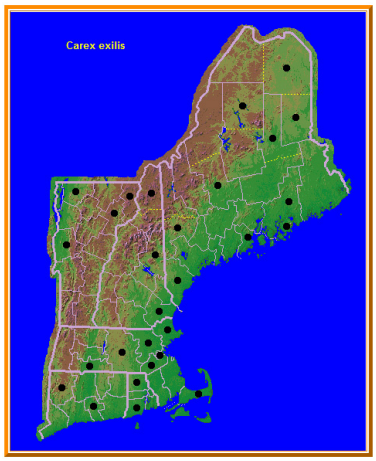
Carex eburnea Boott - . 2n = 54.
Calcareous ledges, gravels or sands.

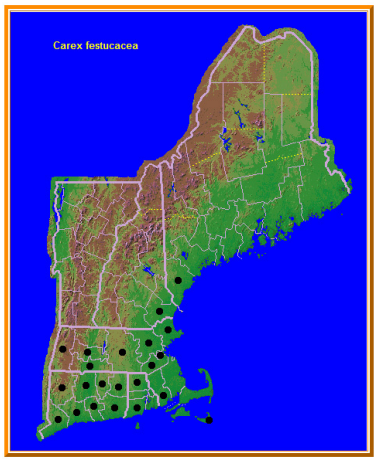


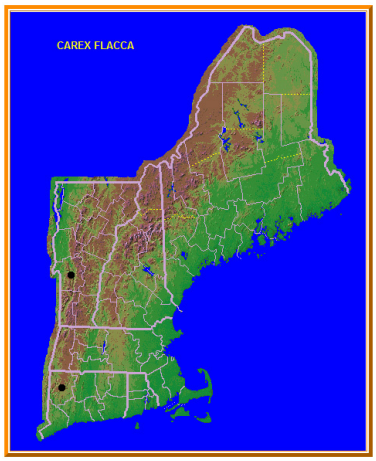
Carex echinata Murray subsp. ***echinata*** - . 2n = (50), (52), 56, 58.
Sphagnous soils. [*C. angustior* Mackenzie; *C. cephalantha* (L.H. Bailey) E.P. Bicknell; *C. laricina* Mackenzie *ex* Bright; *C. muricata* Linnaeus var. *angustata* (J. Carey) J. Carey *ex* Gleason; *C. muricata* Linnaeus var. *laricina* (Mackenzie *ex* Bright) Gleason]

Carex echinodes (Fernald) P. Rothrock, Reznicek & Hipp - . 2n = 74, 76, 78.
Rich, swampy or alluvial woods, margins of vernal pools. [*C. tenera* Dewey var. *echinodes* (Fernald) Wiegand]

Carex emoryi Dewey - . 2n = 72.
Swamps, shores, most often in basic or calcareous waters.



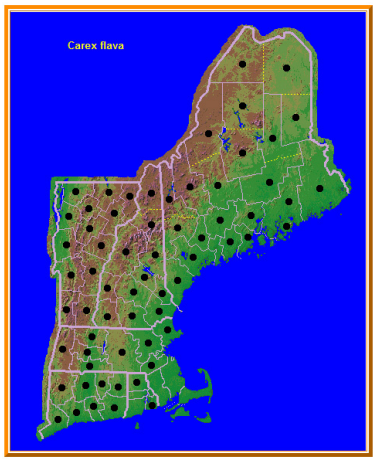


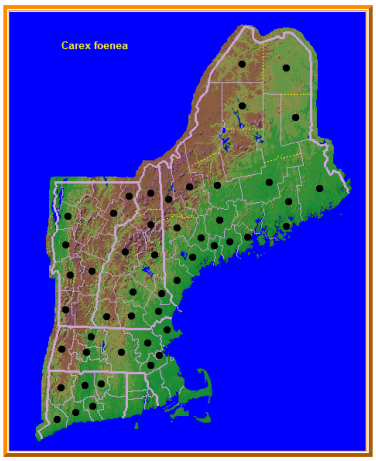


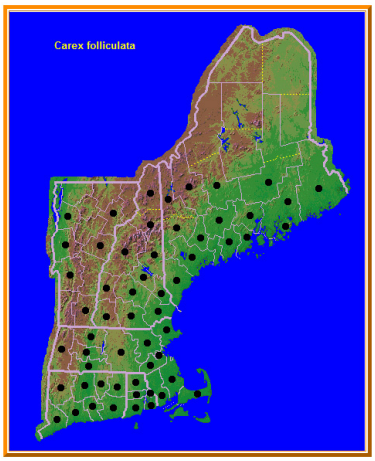
Carex exilis Dewey - . 2n = ca. 62.
Sphagnum bogs, fens.

Carex festucacea Schkuhr *ex* Willdenow - . 2n = 68, 70, 71.
Wet or seasonally wet places, low woods.

CAREX FLACCA Schreber - . 2n = (38), (56), 76, (90).
Abandoned quarries, ditches, marshes.



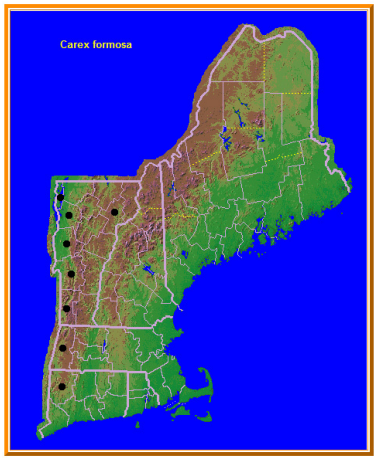


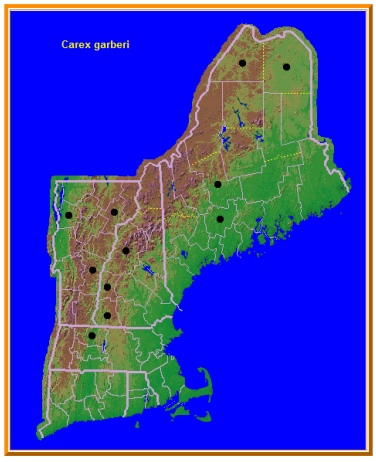


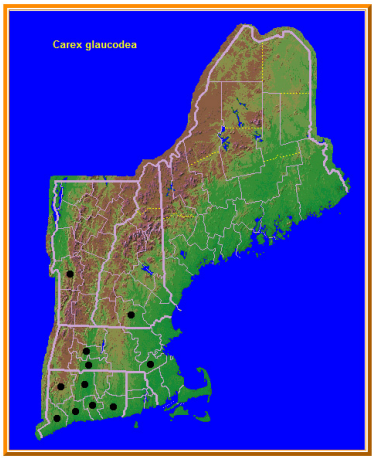
Carex flava Linnaeus - **Yellow Sedge**. 2n = (30), (33), (53), (56), (58), 60, (62), (63), (64), (68), (70).
Moist to wet habitats on calcareous soils. [*C. flava* var. *fertilis* Peck; *C. flava* var. *gaspensis* Fernald; *C. flava* var. *laxior* (Kükenthal) Gleason]

Carex foenea Willdenow - . 2n = 80, 82, 84.
Dry, open, usually acidic soil. [*C. aenea* Fernald; see also *C. siccata*]

Carex folliculata Linnaeus - . 2n = 56.
Wet woods, bogs, shores, in acidic, sandy or sphagnous soils.



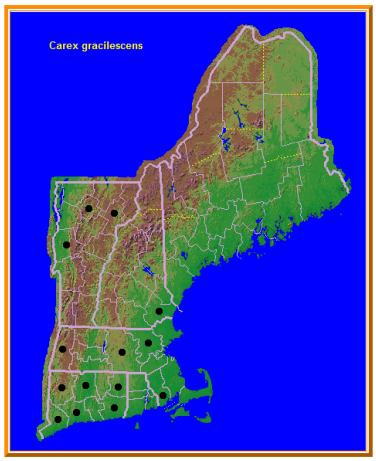


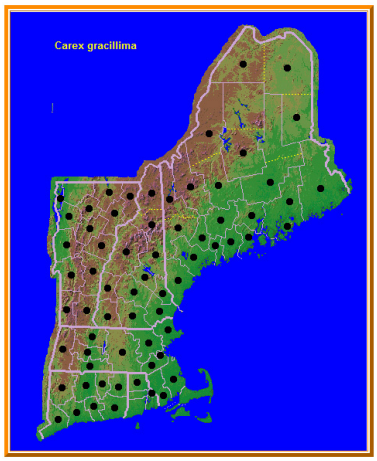


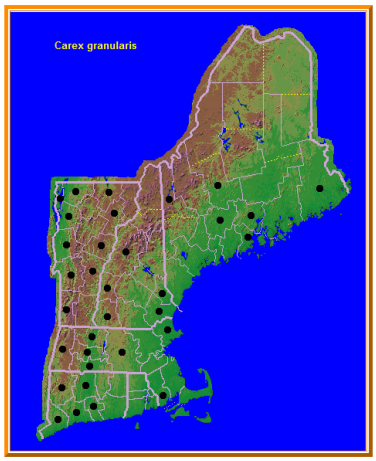
Carex formosa Dewey - **Thicket Sedge**. 2n = 52.
Calcareous, deciduous woods, meadows.

Carex garberi Fernald - . 2n = 52.
Calcareous shores, meadows, shaded ledges. [*C. garberi* var. *bifaria* Fernald]

Carex glaucodea Tuckerman *ex* Olney - . 2n = ?
Calcareous, deciduous woods. [*C. flaccosperma* Dewey var. *glaucodea* (Tuckerman *ex* Olney) Kükenthal]



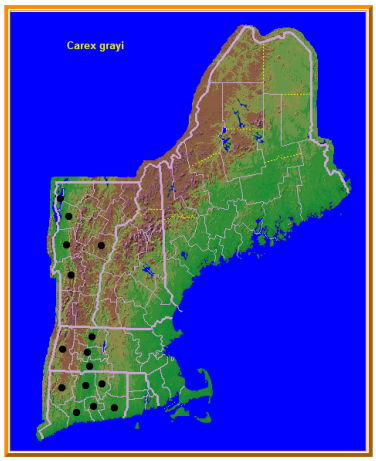


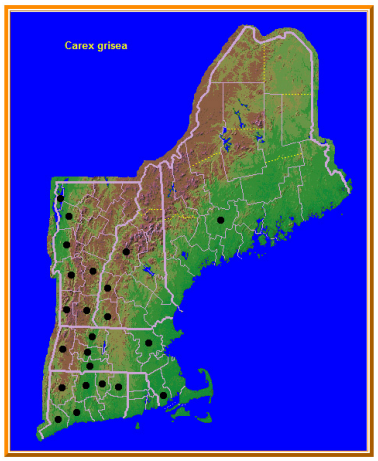


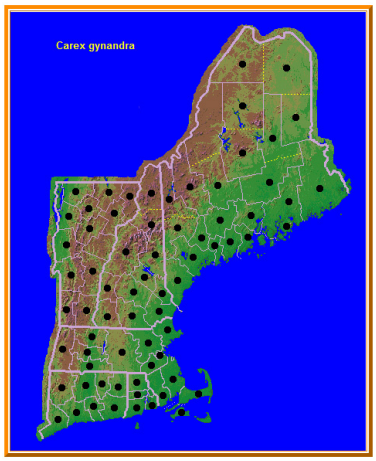
Carex gracilescens Steudel - . 2n = 33, 38, 40.
Rich woods, woodland edges, frequently in calcareous soil. [*C. laxiflora* Lamarck var. *gracillima* (Boott) B.L. Robinson & Fernald]

Carex gracillima Schweinitz - . 2n = (50), 52, 54, (84).
Woods, woodland edges, meadows, roadsides.

Carex granularis Muhlenberg *ex* Willdenow - Meadow Sedge. 2n = 36, 38, 40, 42.
Calcareous woods, shores, meadows. [*C. granularis* var. *haleana* (Olney) Porter]



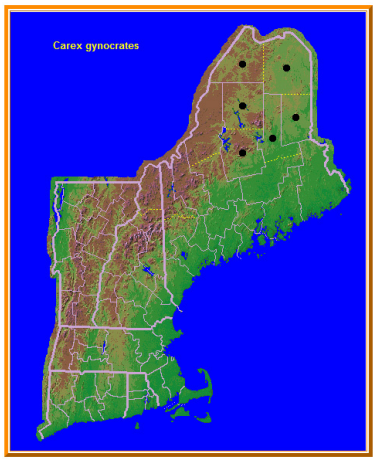


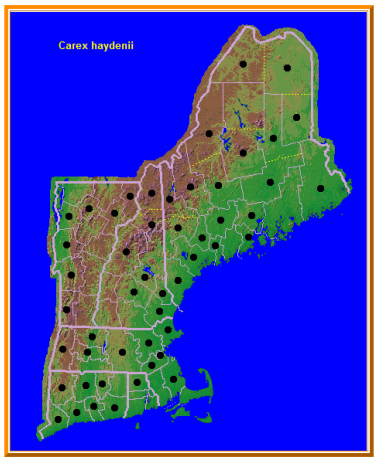


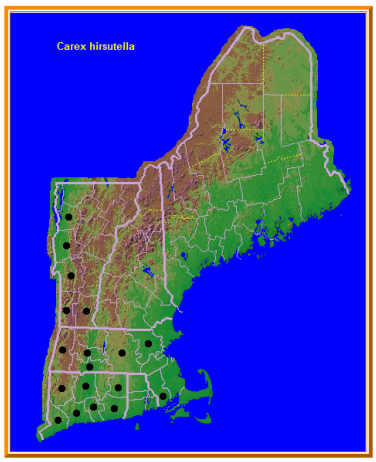
Carex grayi J. Carey - . 2n = 52, 54.
Calcareous meadows, alluvial woods. [*C. grayi* var. *hispidula* A. Gray *ex* L.H. Bailey]

Carex grisea Wahlenberg - . 2n = ?
Rich, deciduous woods, bottomlands, meadows. [*C. amphibola* Steudel var. *turgida* Fernald]

Carex gynandra Schweinitz - . 2n = 68.
Swamps, alluvial woods, meadows, marshes, bogs, shores. [*C. crinita* Lamarck var. *gynandra* (Schweinitz) Schweinitz & Torrey; *C. crinita* var. *simulans* Fernald]



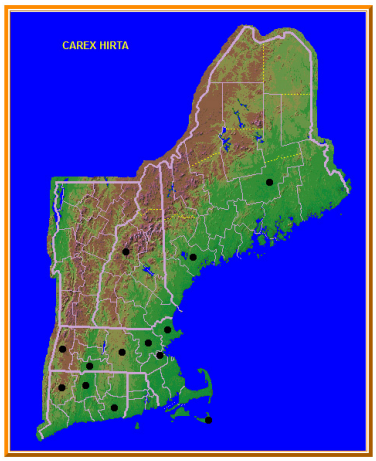


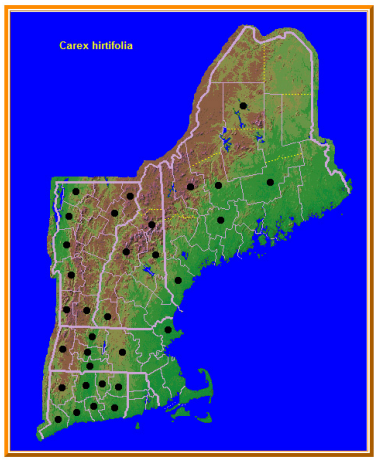


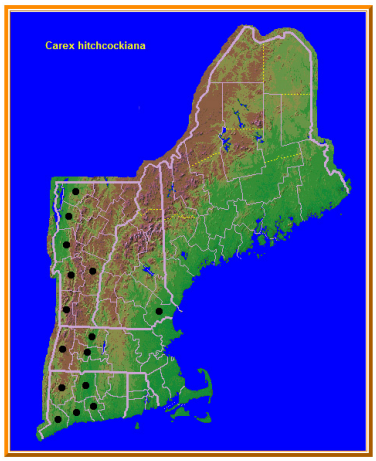
Carex gynocrates Wormskjöld *ex* Drejer - . 2n = 34, 48, 50, 70.
Wet, sphagnous soils. [*C. dioica* Linnaeus var. *gynocrates* (Wormskjöld *ex* Drejer) Ostenfeld]

Carex haydenii Dewey - . 2n = 54.
Wet meadows, thickets, mostly in rich soil.

Carex hirsutella Mackenzie - . 2n = 52.
Open woods, meadows, fields, in neutral to basic soils. [*C. complanata* Torrey & Hooker var. *hirsuta* (L.H. Bailey) Gleason]



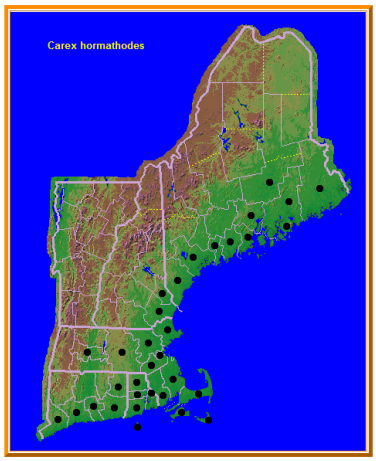


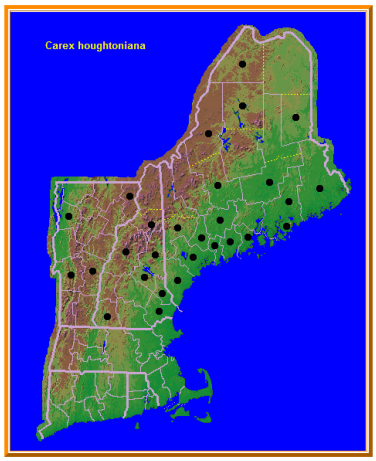


CAREX HIRTA Linnaeus - . 2n = 112.
Dry fields, roadsides, railroad embankments. From Europe.

Carex hirtifolia Mackenzie - . 2n = 50.
Rich woods and meadows, often calcareous.

Carex hitchcockiana Dewey - . 2n = ?
Rich or calcareous woods.

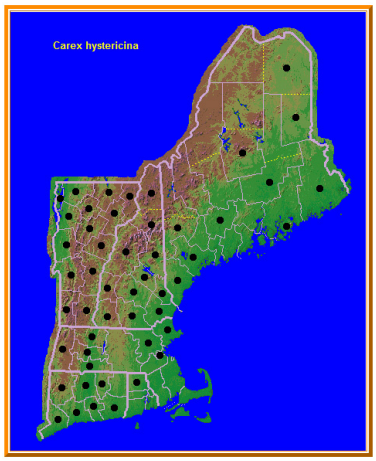


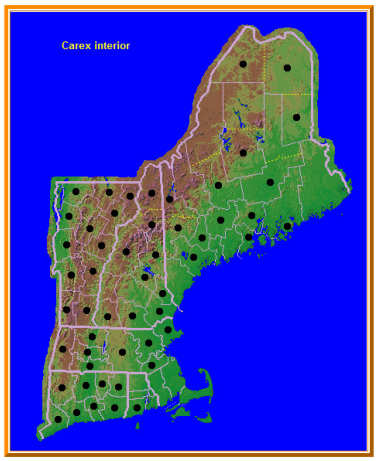


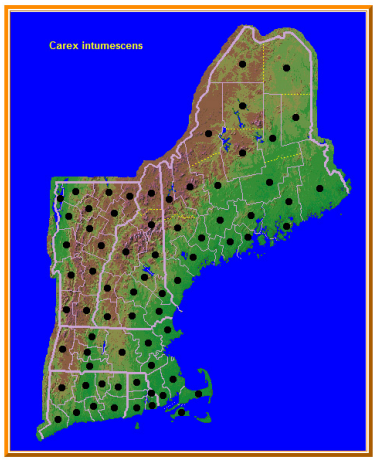
Carex hormathodes Fernald - . 2n = 74.
Brackish to freshwater marshes, coastal sands and rocks. [*C. straminea* Willdenow var. *invisa* W. Boott]

CAREX HOSTIANA de Candolle - . 2n = 56.
Marshes, meadows, shores, glades in calcareous soils. [*C. hostiana* var. *laurentiana* (Fernald & Wiegand) Fernald & Wiegand] Note: Collected only once in New England, from Tewksbury, Massachusetts, prior to 1837. The likelihood that this is a waif or is mislabeled as to place of collection is significant, particularly since a herbarium specimen of another rare species, *CAREX LAEVIGATA*, is labeled as collected at the same locality by the same collector.

Carex houghtoniana Torrey *ex* Dewey - . 2n = 56.
Dry, acid sands and gravels, rocky openings. [*C.* "*houghtonii*" Torrey - often used, but not as originally published]



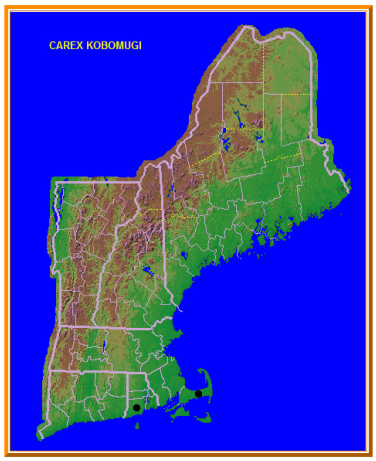


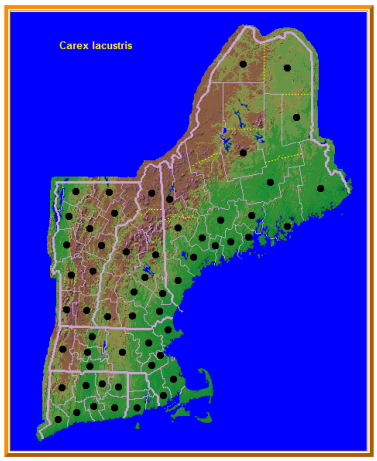


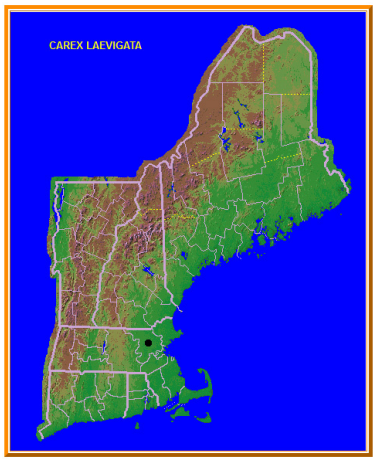
Carex hystericina Muhlenberg *ex* Willdenow - . 2n = 58.
Swamps, shores, meadows, seeps, mostly in calcareous soils.

Carex interior L.H. Bailey - . 2n = 54.
Swamps, shores, meadows, seeps, often in calcareous soils.

Carex intumescens Rudge - . 2n = 48.
Alluvial woods, wet meadows, swales. [*C. intumescens* var. *fernaldii* L.H. Bailey]



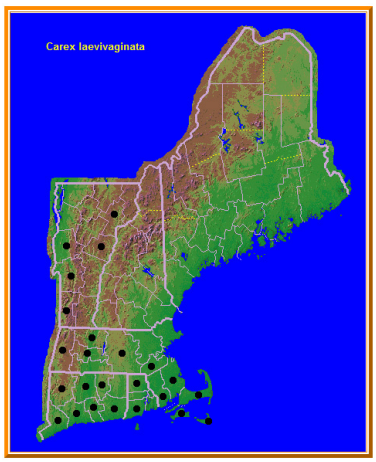


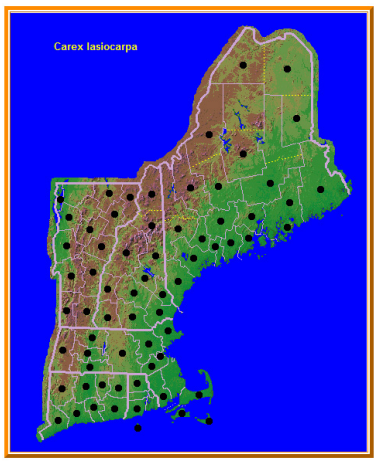


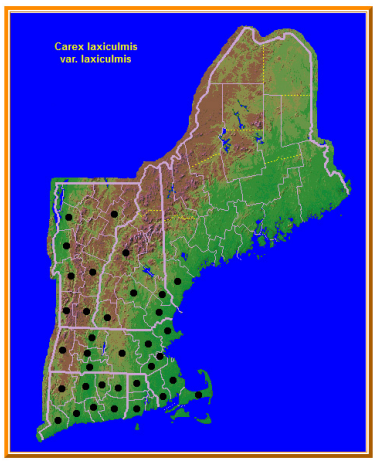
CAREX KOBOMUGI Ohwi - . 2n = 84, 88.
Coastal sandy beaches. From east Asia.

Carex lacustris Willdenow - . 2n = 74.
Swamps, shores, meadows, marsh edges, in calcareous or circumneutral soil.

CAREX LAEVIGATA Smith - . 2n = (69-80), 72.
Meadows, shores. From Europe.
Note: Collected only once in North America, from Tewksbury, Massachusetts, prior to 1837. The likelihood that this is a waif or is mislabeled as to place of collection is significant, particularly since a herbarium specimen of another rare species, *CAREX HOSTIANA*, is labeled as collected at the same locality by the same collector.



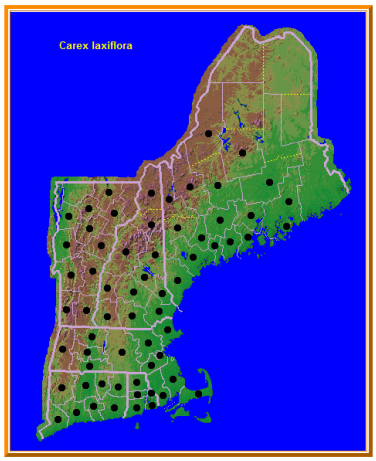


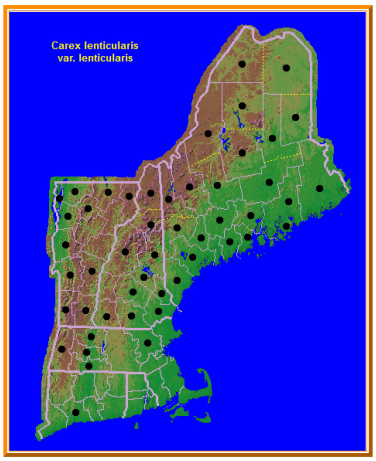


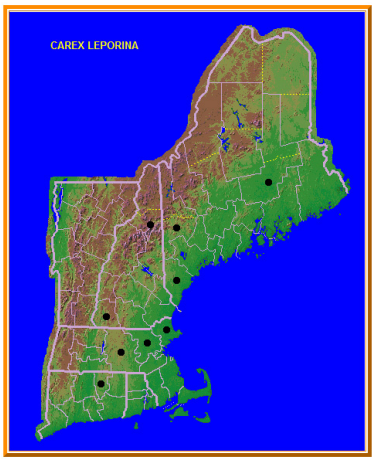
Carex laevivaginata (Kükenthal) Mackenzie - . 2n = 46, 50.
Swamps, meadows, marshes, alluvial bottomlands, especially in calcareous soils.

Carex lasiocarpa Ehrhart - . 2n = 56, (78), (80), (81), (84), (85).
Rich meadows, bogs, shores, swales. [*C. lasiocarpa* var. *americana* Fernald; *C. lanuginosa* Michaux, but see also *C. pellita*]

Carex laxiculmis Schweinitz var. ***laxiculmis*** - . 2n = 44, 46, 50.
Rich, moist woods.



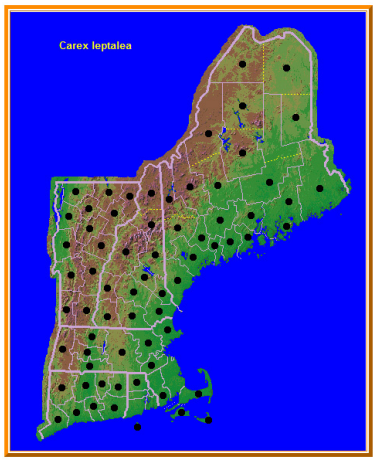


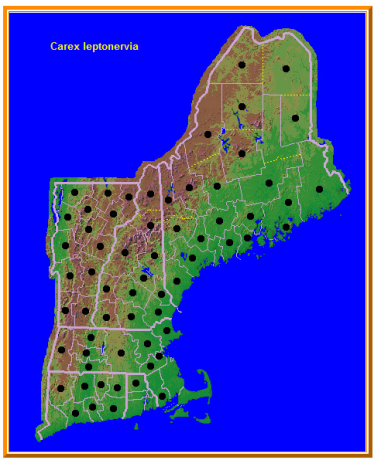


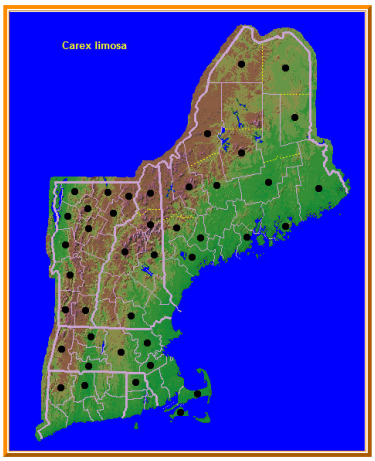
Carex laxiflora Lamarck - . 2n = 40, 52.
Rich woods. [*C. laxiflora* var. *serrulata* F.J. Hermann]

Carex lenticularis Michaux var. ***lenticularis*** - **Shore Sedge**. 2n = 68, 88.
Shores, meadows, borders of alpine brooks. [*C. lenticularis* var. *albimontana* Dewey; *C. lenticularis* var. *blak*ei Dewey]

CAREX LEPORINA Linnaeus - . 2n = (58), (62), 64, 66, 68, (72), (73), (74).
Dry pastures, roadsides. From farther west and Eurasia. [*C. ovalis* misapplied]



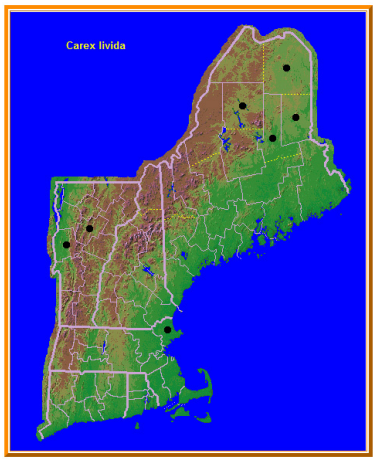


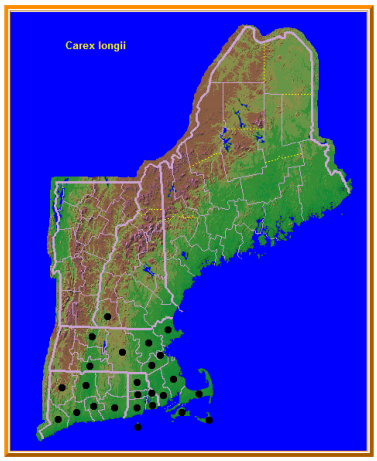


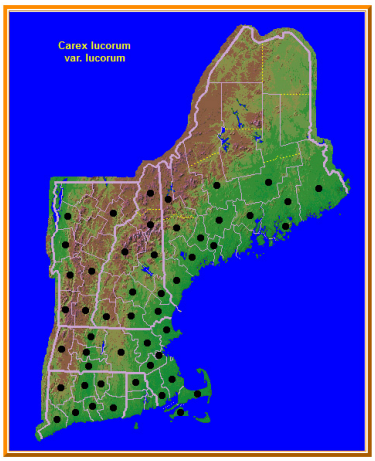
Carex leptalea Wahlenberg - . 2n = 52.
Wet woods, swales, marshy fields.

Carex leptonervia (Fernald) Fernald - . 2n = 36, 38.
Low woods, clearings, thickets.

Carex limosa Linnaeus - . 2n = 56, 58, (61), (62), (63), 64.
Bogs, meadows, shores.



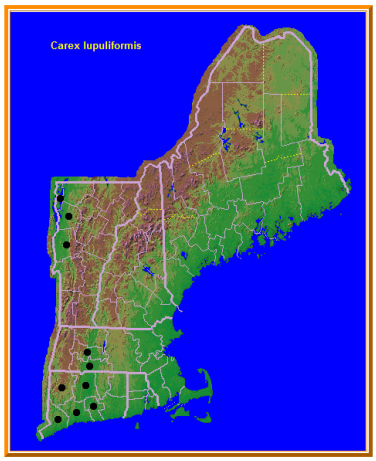


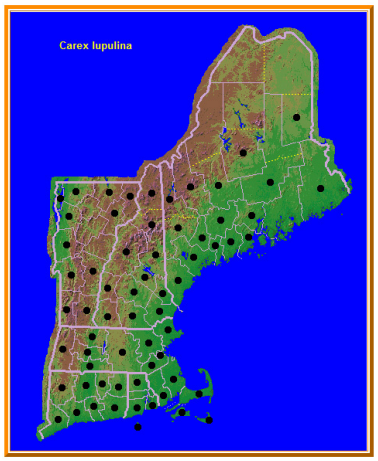


Carex livida (Wahlenberg) Willdenow - . 2n = 32, (50), (52).
Calcareous meadows and bogs. [*C. livida* var. *grayana* (Dewey) Fernald; *C. livida* var. *radicaulis* Paine]

Carex longii Mackenzie - . 2n = 58, 60, 62.
Wet, sandy or peaty soils.

Carex lucorum Willdenow *ex* Link var. ***lucorum*** - . 2n = 40.
Acidic, often sandy, soils in open pine and oak woods and clearings. [*C. pensylvanica* Lamarck var. *distans* Peck]

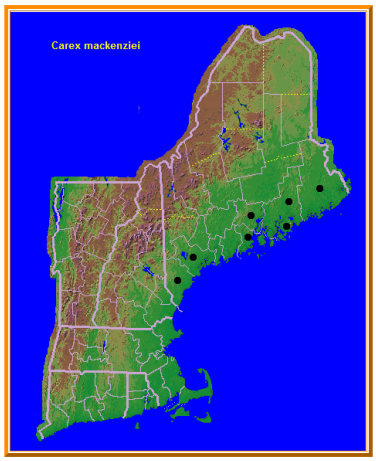


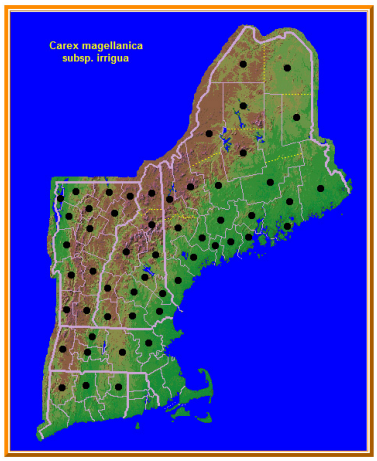


Carex lupuliformis Sartwell *ex* Dewey - . 2n = 60.
Calcareous swamps, meadows, marshes.

Carex lupulina Muhlenberg *ex* Willdenow - . 2n = 56.
Wet woods, swamps, meadows. [*C. lupulina* var. *pedunculata* A. Gray *ex* L.C. Beck]

Carex lurida Wahlenberg - . 2n = 60.
Swamps, wet woods, shores, meadows, marshes, mostly in acidic soils.

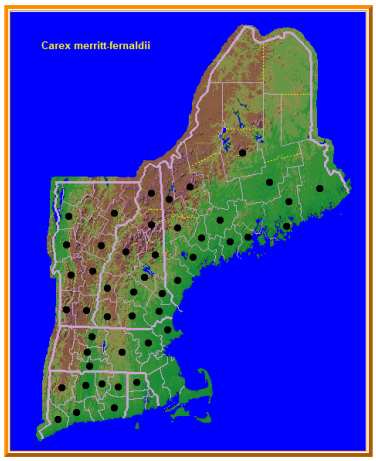


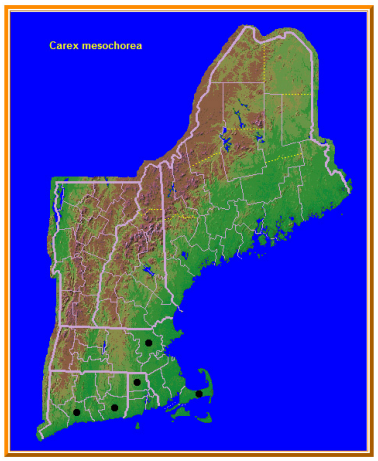


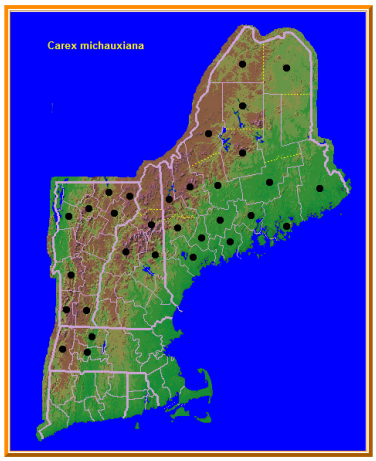
Carex mackenziei V.I. Kreczetowicz - . 2n = 64, 68, 72.
Coastal saline or brackish marshes and shores.

Carex magellanica Lamarck subsp. ***irrigua*** (Wahlenberg) Hiitonen - **Bog Sedge**. 2n = 58.
Sphagnous bogs, meadows, wet woods and marshes. [*C. paupercula* Michaux; *C. paupercula* Michaux var. *irrigua* (Wahlenberg) Fernald; *C. paupercula* Michaux var. *pallens* Fernald]

Carex media R. Brown *ex* Richardson - . 2n = 56.
Mossy woods, meadows, shores, often in calcareous soil. [*C. norvegica* misapplied; *C. norvegica* Retzius subsp. *inferalpina* (Wahlenberg) Hultén]



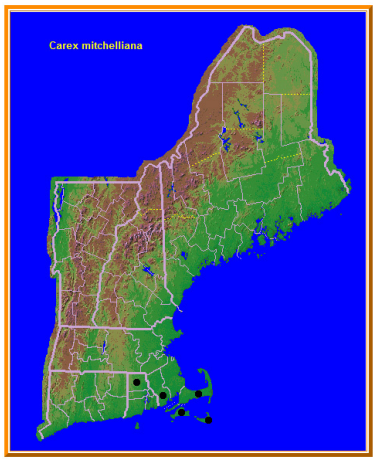


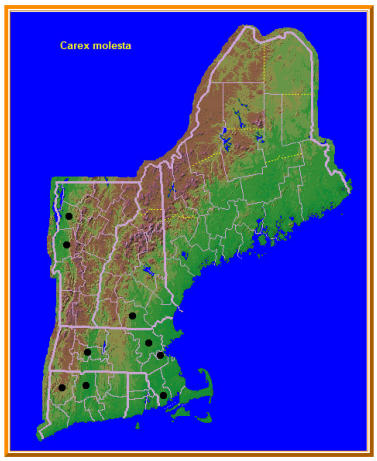


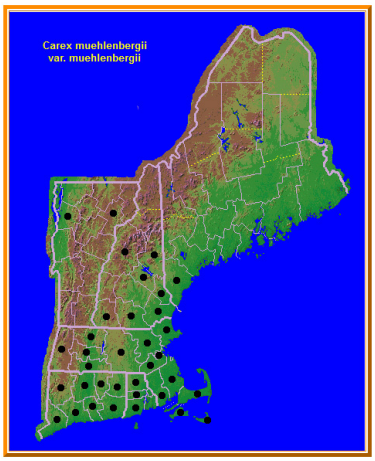
Carex merritt-fernaldii Mackenzie - . 2n = 68, 70, 74.
Dry rocky or gravelly places, dryish meadows, in acidic soil.

Carex mesochorea Mackenzie - . 2n = ?
Dry, open soil. [*C. cephalophora* Muhlenberg *ex* Willdenow var. *mesochorea* (Mackenzie) Gleason]

Carex michauxiana Boeckeler - . 2n = ?
Bogs, shores, swamps, often acidic soils.



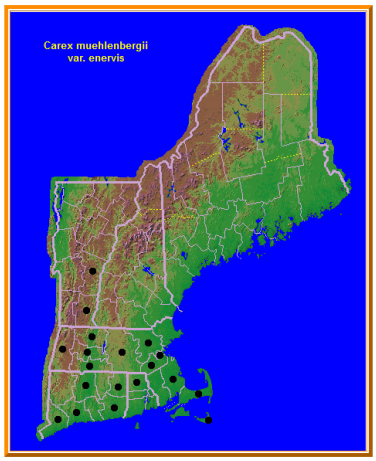


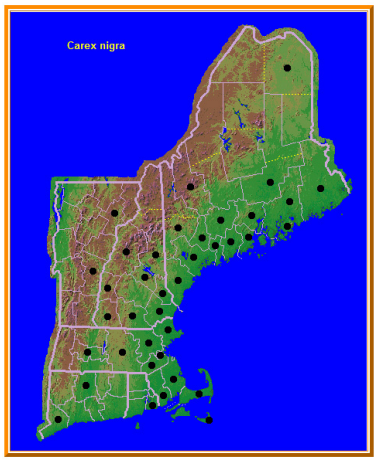


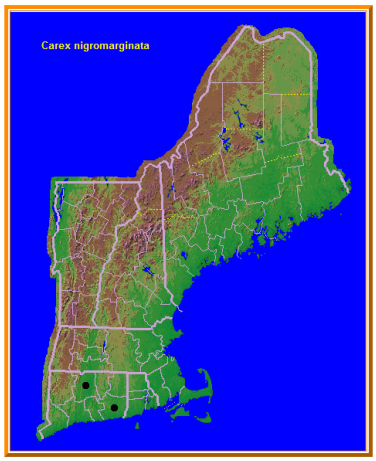
Carex mitchelliana M.A. Curtis - . 2n = 66.
Swamps, wet woods, shores, wet meadows. [*C. crinita* Lamarck var. *mitchelliana* (M.A. Curtis) Gleason]

Carex molesta Mackenzie *ex* Bright - . 2n = 68, 70.
Open areas, dry or moist, often in calcareous soils.

Carex muehlenbergii Schkuhr *ex* Willdenow var. ***muehlenbergii*** - . 2n = 46.
Dry fields and open woods, often in sand.



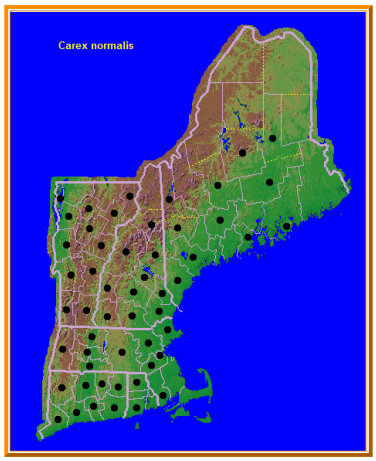


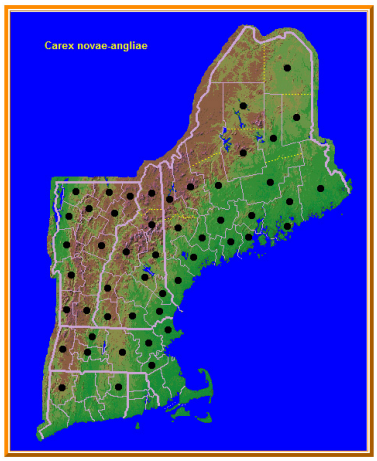


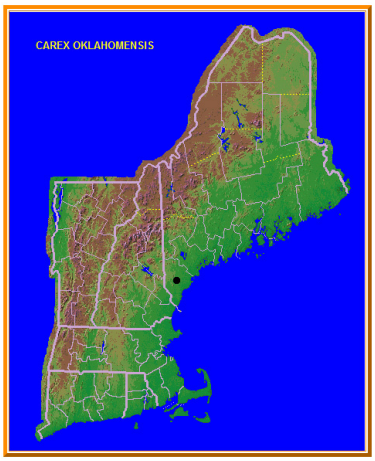
Carex muehlenbergii Schkuhr *ex* Willdenow var. ***enervis*** Boott - . 2n = ?
Dry fields and open woods, often in sand.

Carex nigra (Linnaeus) Reichard - . 2n = (73), (74), (76), (79), (80), (81), (82), 83, 84, 85, (86), (88), (92).
Wet meadows, swamps, open turf, swales. [*C. nigra* var. *strictiformis* (L.H. Bailey) Fernald]

Carex nigromarginata Schweinitz - . 2n = 68.
Dry woods, thickets, clearings in acidic soils.



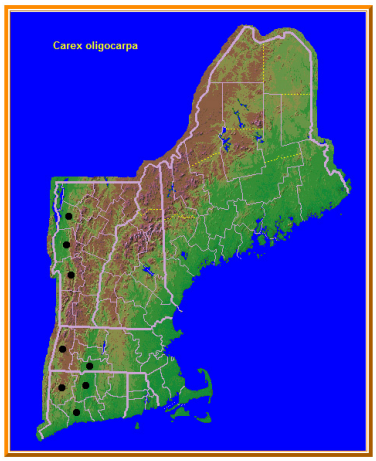


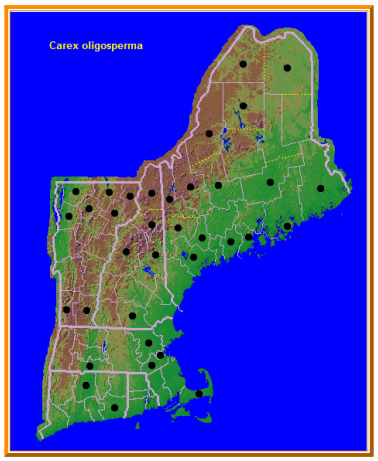


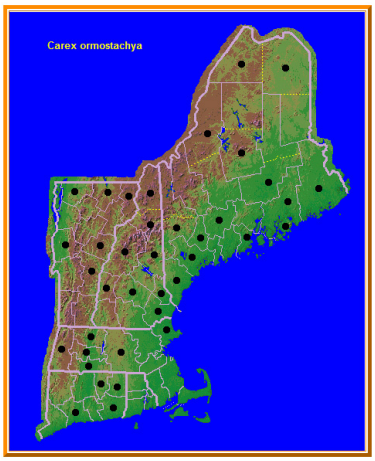
Carex normalis Mackenzie - . 2n = 68.
Rich, open woods, thickets.

Carex novae-angliae Schweinitz - . 2n = 30.
Mixed deciduous woods, usually moist.

CAREX OKLAHOMENSIS Mackenzie - . 2n = ?
Wet meadows, marshes. From farther south and west.



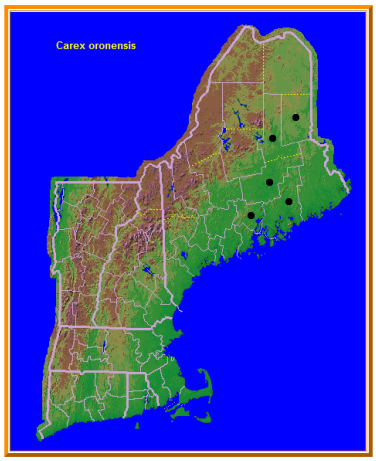


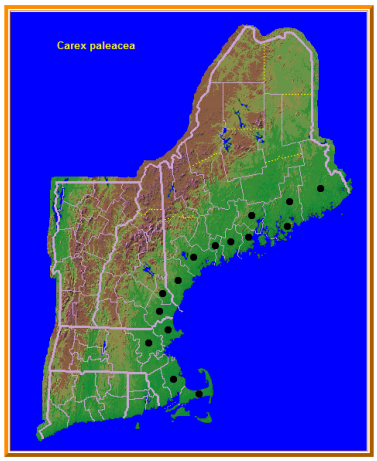


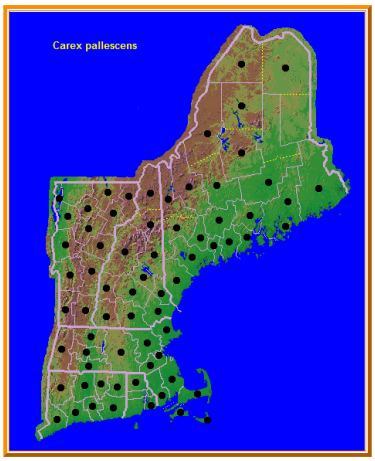
Carex oligocarpa Schkuhr *ex* Willdenow - . 2n = ?
Calcareous woods.

Carex oligosperma Michaux - . 2n = 76.
Sphagnum bogs, acid swamps, shores.

Carex ormostachya Wiegand - . 2n = ?
Mixed or evergreen woods, frequently in sandy or rocky soil. [*C. laxiflora* Lamarck var. *ormostachya* (Wiegand) Gleason]



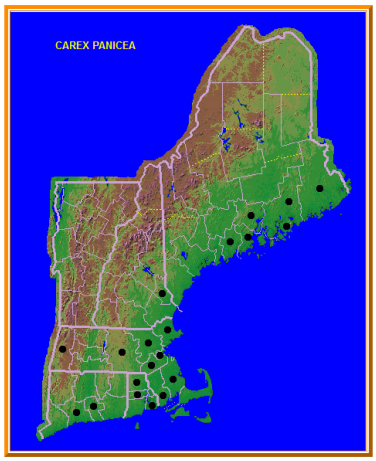


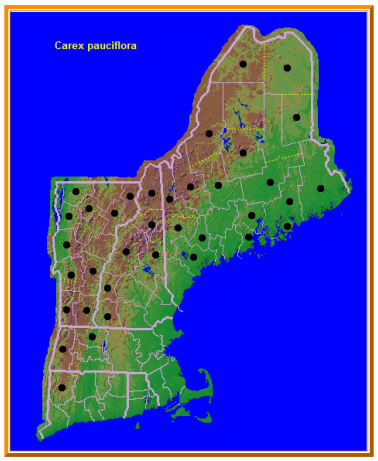


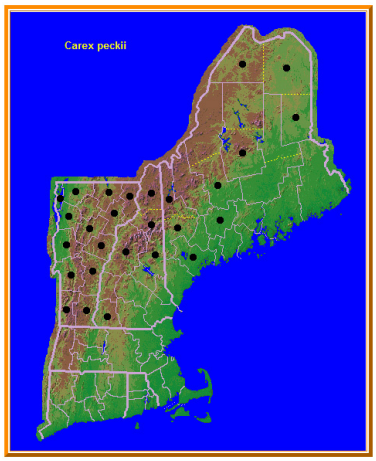
Carex oronensis Fernald - . 2n = 74.
Fields, meadows, thickets.

Carex paleacea Schreber *ex* Wahlenberg - . 2n = 70, 71, 72, 73, 74, 80.
Salt marshes, intertidal shores.

Carex pallescens Linnaeus - . 2n = 58, 62, 64, 66.
Meadows, thickets. [*C. pallescens* var. *neogaea* Fernald]



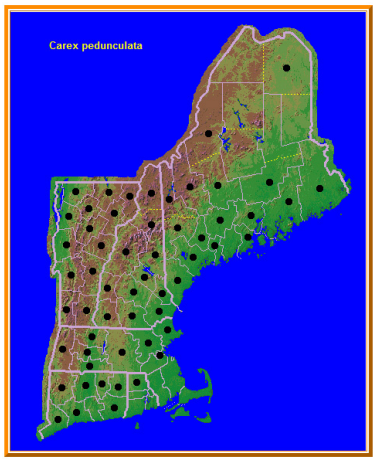


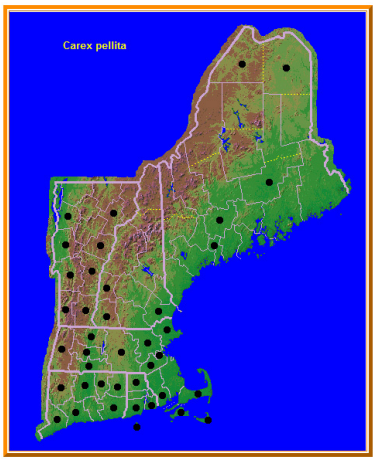


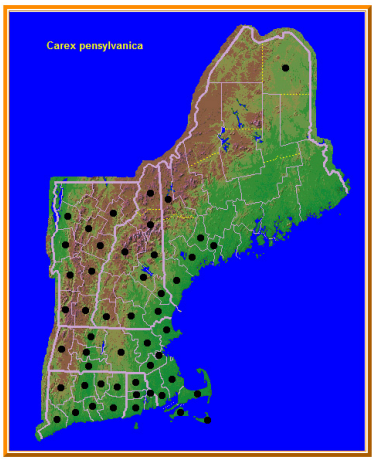
CAREX PANICEA Linnaeus - . 2n = 32.
Meadows, acidic fields. From Europe.

Carex pauciflora Lightfoot - . 2n = (46), 76.
Sphagnum bogs.

Carex peckii Howe - . 2n = 36.
Calcareous rocky slopes, rich, open woods. [*C. nigromarginata* Schweinitz var. *elliptica* (Boott) Gleason; *C. nigromarginata* var. *minor* (Boott) Gleason]



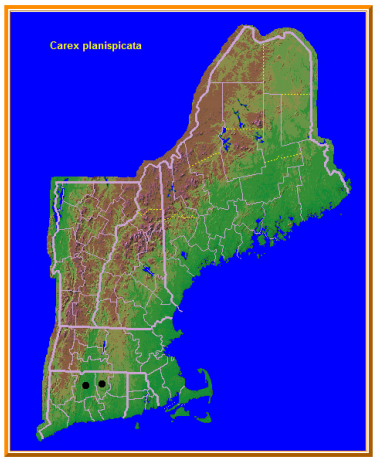


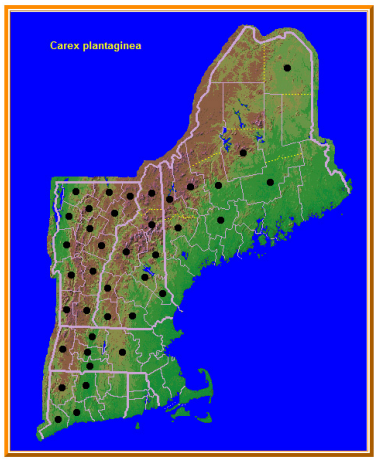


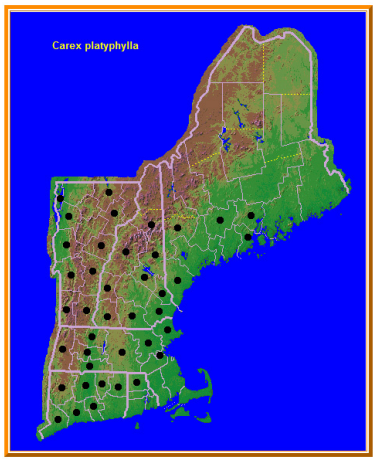
Carex pedunculata Muhlenberg *ex* Willdenow - . 2n = 26.
Rich woods.

Carex pellita Muhlenberg *ex* Willdenow - . 2n = 78.
Meadows, marshes, shores, especially in calcareous soils. [*C. lanuginosa* misapplied; *C. lasiocarpa* Ehrhart var. *latifolia* (Boeckeler) Gilly]

Carex pensylvanica Lamarck - **Early Sedge**. 2n = 36.
Open, dry soil, open woods.



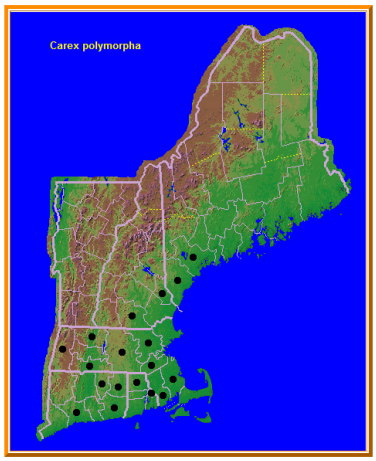


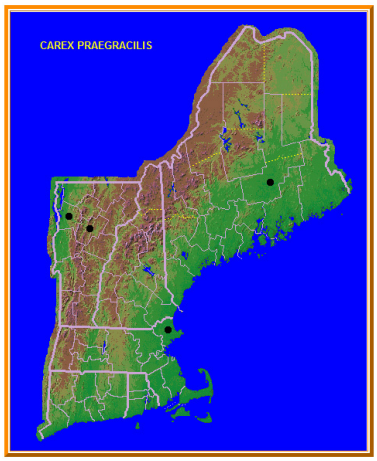


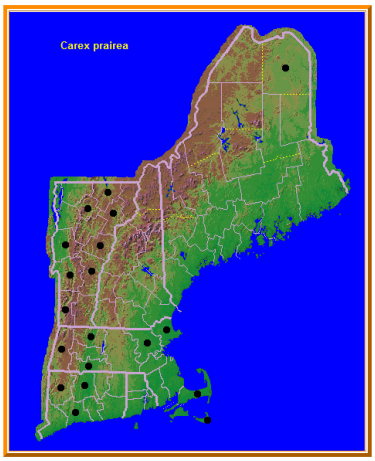
Carex planispicata Naczi - . 2n = ?
Alluvial woods, river meadows. [*C. amphibola* Steudel var. *rigida* (L.H. Bailey) Fernald]

Carex plantaginea Lamarck - . 2n = 52.
Rich, deciduous or mixed woodlands.

Carex platyphylla J. Carey - . 2n = 70.
Rich, deciduous woods, rocky slopes.



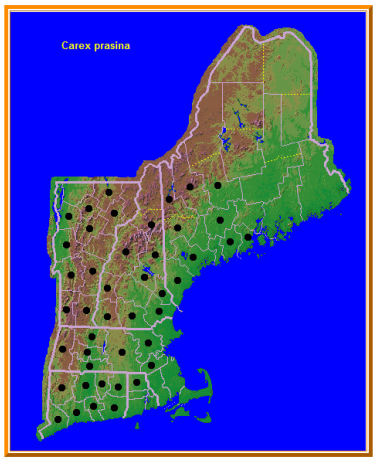


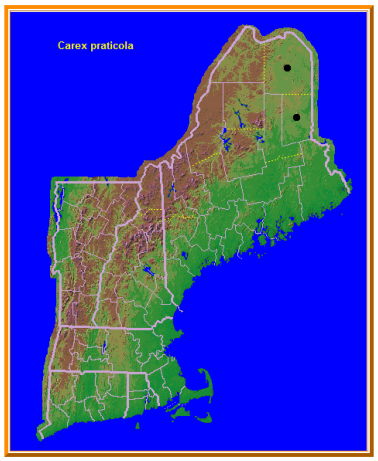


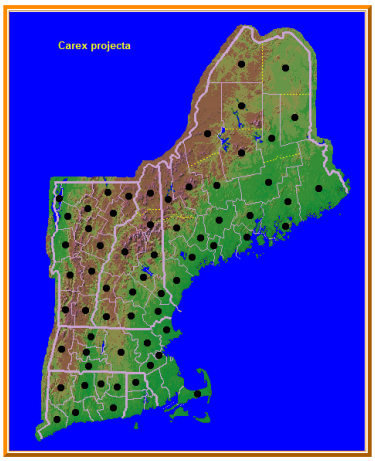
Carex polymorpha Muhlenberg - . 2n = ?
Dry, sandy soil of open woods and clearings.

CAREX PRAEGRACILIS W. Boott - . 2n = 60.
Low, open ground, shores. From farther west.

Carex prairea Dewey - . 2n = 66.
Calcareous bogs, meadows, swamps.



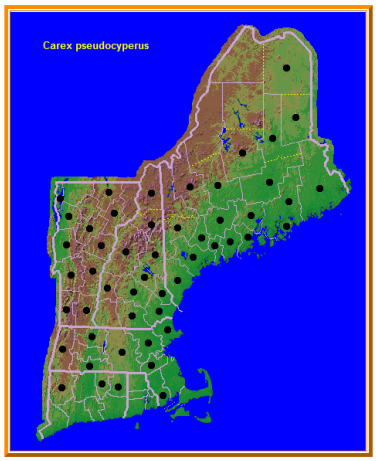


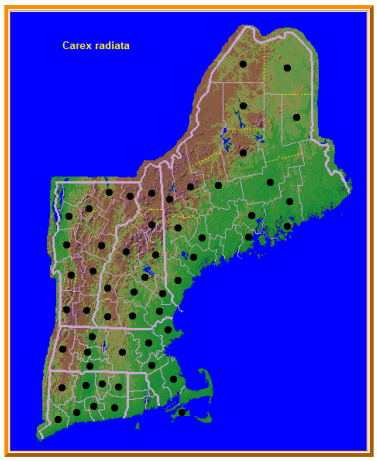


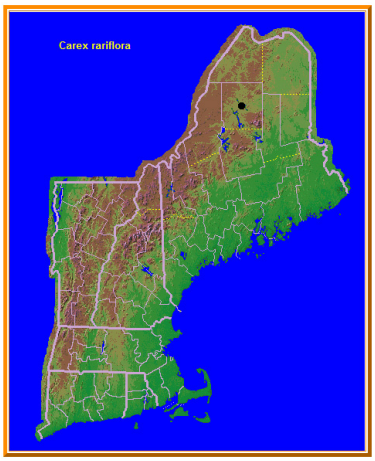
Carex prasina Wahlenberg - **Drooping Sedge**. 2n = 60.
Rich, low woods, meadows.

Carex praticola Rydberg - . 2n = ca. 70, 76, 78.
Open woods, dry clearings, meadows.

Carex projecta Mackenzie - . 2n = 62, 64, 66.
Damp woods, thickets, meadows, shores.



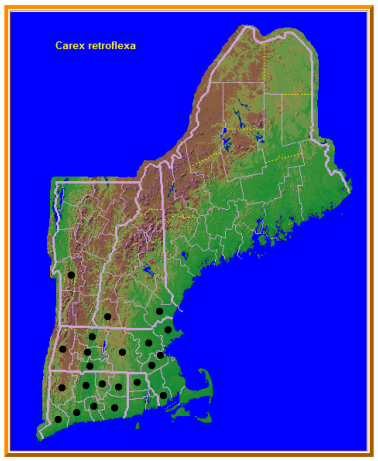


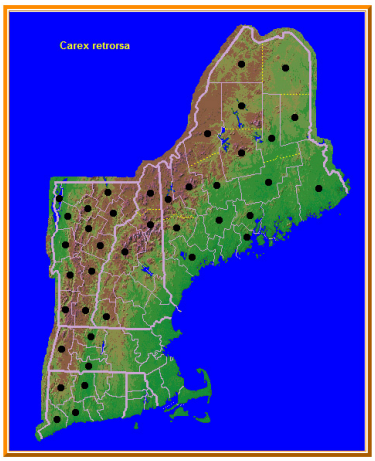


Carex pseudocyperus Linnaeus - . 2n = 66.
Shores, swamps, bogs.

Carex radiata (Wahlenberg) Small - . 2n = 58.
Moist woods. [*C. rosea* misapplied]

Carex rariflora (Wahlenberg) Smith - . 2n = (50), 52, (54).
Peaty barrens, bogs.

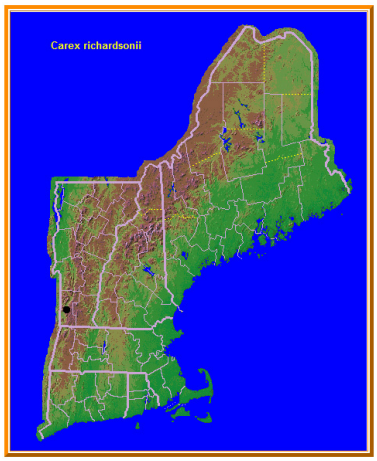


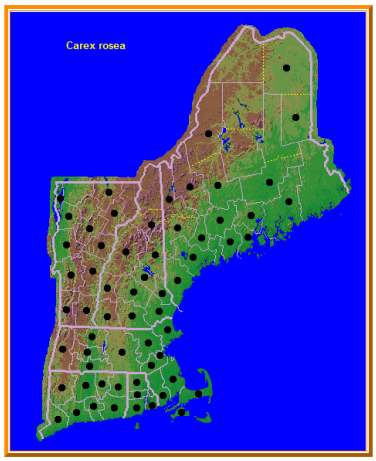


Carex recta Boott - . 2n = 70, 73, 74, 75, 76, 84, 146.
Salt marshes, brackish meadows. [*C. salina* Wahlenberg var. *kattegatensis* Almquist - illegitimate name]

Carex retroflexa Muhlenberg *ex* Willdenow - . 2n = 40.
Dry, rocky, open, deciduous woods.

Carex retrorsa Schweinitz - . 2n = 70.
Alluvial woods, low grounds, swamps, shores.

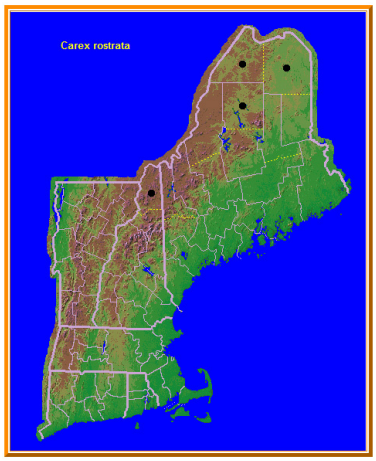


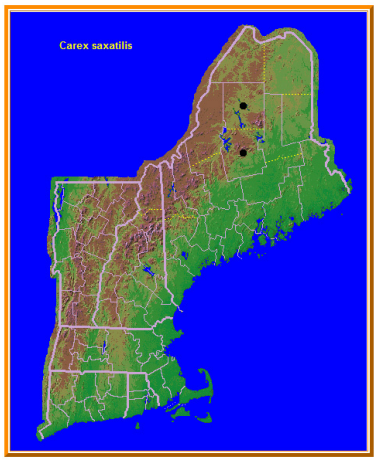


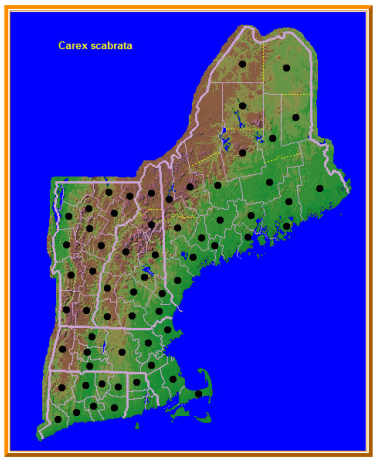
Carex reznicekii Werier - . 2n = ?
Deciduous woods.

Carex richardsonii R. Brown - . 2n = 52.
Calcareous rocks, open woods.

Carex rosea Schkuhr *ex* Willdenow - . 2n = 52, 56.
Dry, open woods. [*C. convoluta* Mackenzie; see also *C. radiata*]



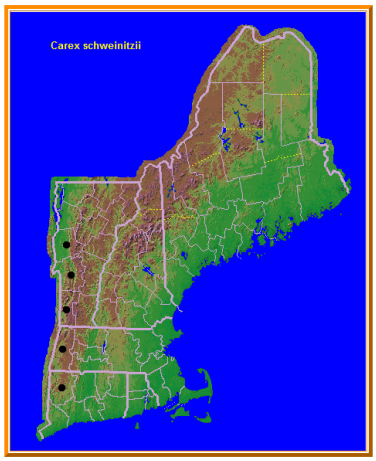


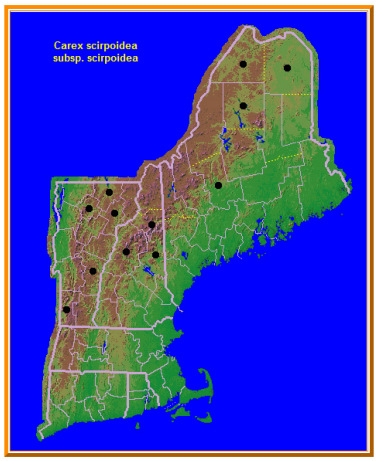


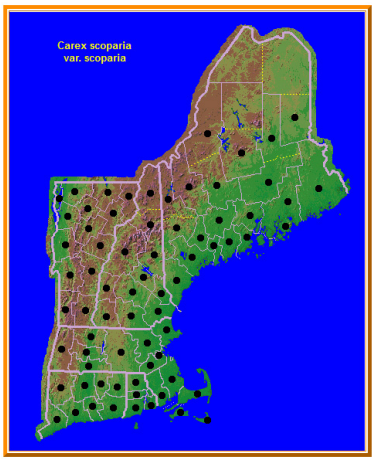
Carex rostrata Stokes - . 2n = 42, 60, 72, 76, 80, 82.
Shores, swamps, bogs. [*C. rostrata* var. *ambigens* Fernald; see also *C. utriculata*]

Carex saxatilis Linnaeus - . 2n = (40), (52), (60), 80.
Sphagnous shores. [*C. saxatilis* var. *miliaris* (Michaux) L.H. Bailey; *C. saxatilis* var. *rhomalea* Fernald; *C. miliaris* Michaux]

Carex scabrata Schweinitz - . 2n = 54.
Wet woods.



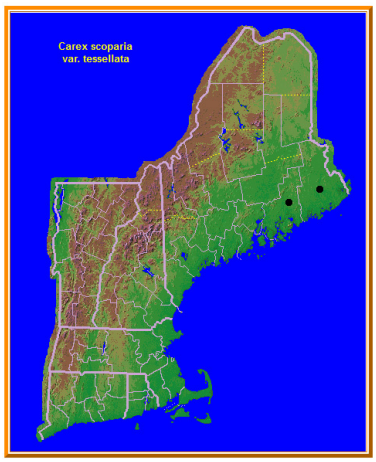


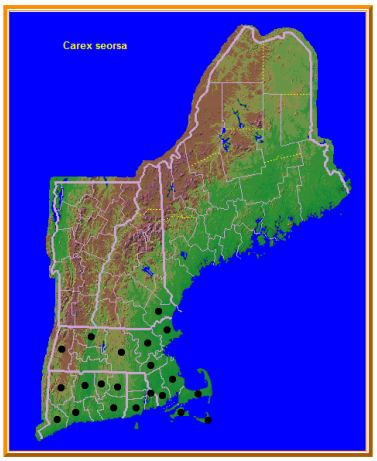


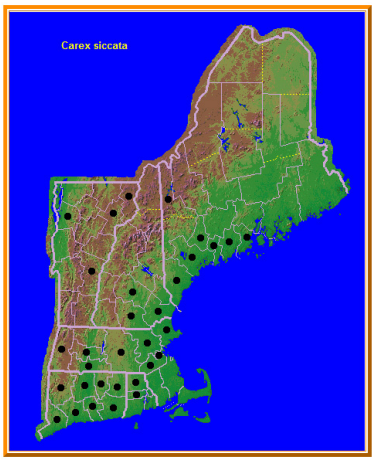
Carex schweinitzii Dewey *ex* Schweinitz - . 2n = ?
Calcareous swamps, meadows and shores.

Carex scirpoidea Michaux subsp. ***scirpoidea*** - . 2n = 62, (64).
Rocky ledges at high altitudes, often in calcareous soil.

Carex scoparia Schkuhr *ex* Willdenow var. ***scoparia*** - **Broom Sedge**. 2n = 56, 58, 59, 60, 61, 62, 64, 66, 67, 68, 70.
Open areas, usually in acidic, often sandy soil.



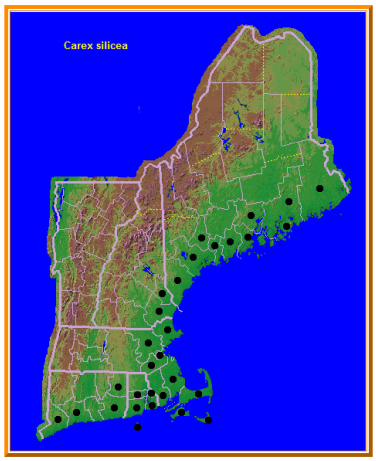


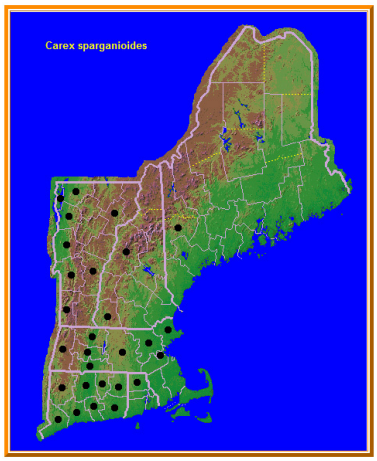


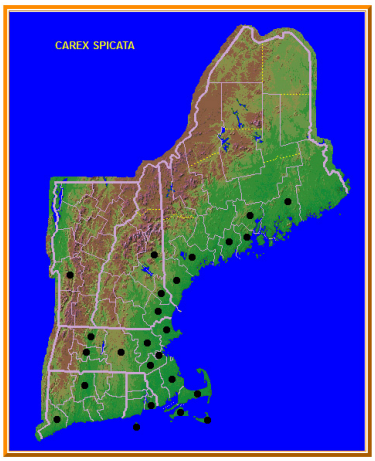
Carex scoparia Schkuhr *ex* Willdenow var. ***tessellata*** Fernald & Wiegand - . 2n = 68.
Sandy, acidic soils. [*C. waponahkikensis* Lovit & A. Haines]

Carex seorsa Howe - . 2n = 48.
Wet woods, swamps, bogs.

Carex siccata Dewey - . 2n = 70.
Open, sandy woods, fields, and rock outcrops. [*C. foenea* misapplied]



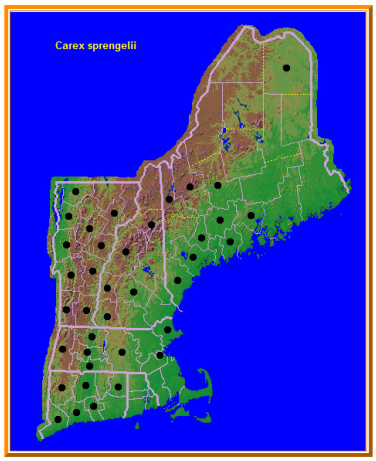


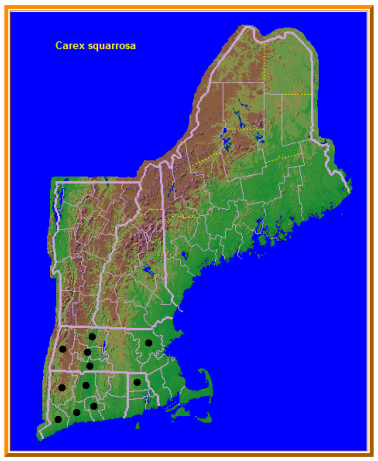


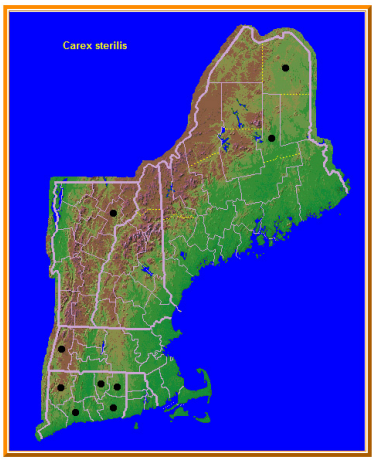
Carex silicea Olney - . 2n = 74.
Coastal sandy beaches and dunes.

Carex sparganioides Muhlenberg *ex* Willdenow - . 2n = 48.
Rich woods.

CAREX SPICATA Hudson - . 2n = 58, (60).
Dry fields, roadsides and open woods. From Eurasia.



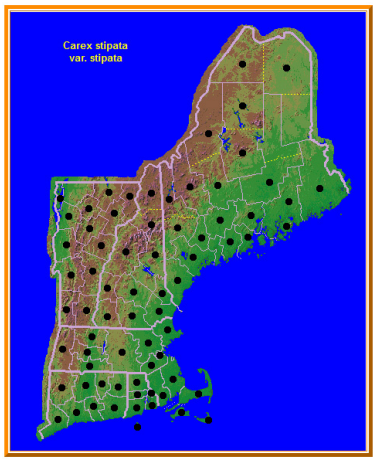


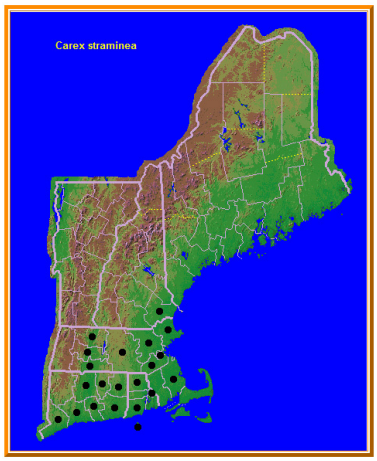


Carex sprengelii Dewey *ex* Sprengel - . 2n = 42.
Rocky woods, alluvial thickets, river terraces, often in calcareous soil.

Carex squarrosa Linnaeus - . 2n = 56.
Meadows and low woods.

Carex sterilis Willdenow - . 2n = ?
Wet, calcareous soil. [*C. elachycarpa* Fernald; *C. muricata* Linnaeus var. *sterilis* (Willdenow) Gleason]

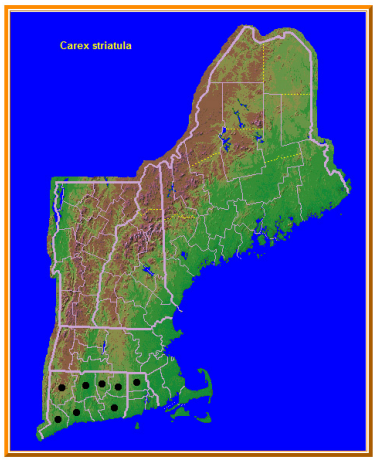


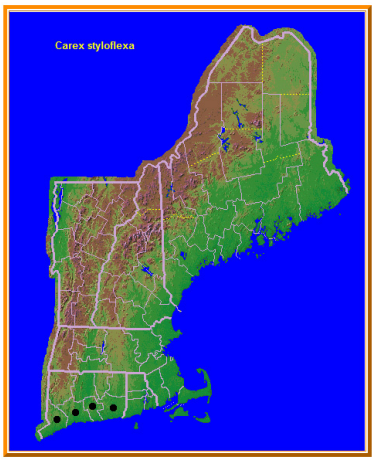


Carex stipata Muhlenberg *ex* Willdenow var. ***stipata*** - . 2n = 52.
Swamps, marshes, alluvial bottomlands, meadows, bogs.

Carex straminea Willdenow - . 2n = 74.
Swamps, freshwater marshes, meadows, swales, in sandy or peaty, acidic soils.

Carex striata Michaux - . 2n = ?
Pond shores, in acidic, often peaty, soils. [*C. walteriana* L.H. Bailey; *C. walteriana* var. *brevis* (L.H. Bailey) L.H. Bailey]

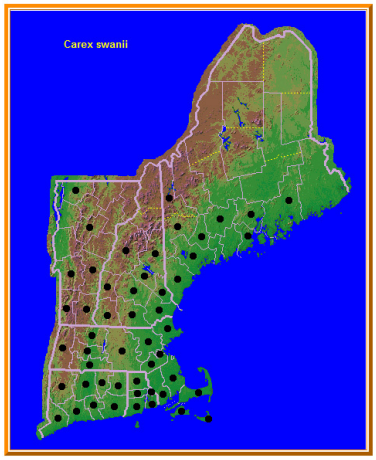


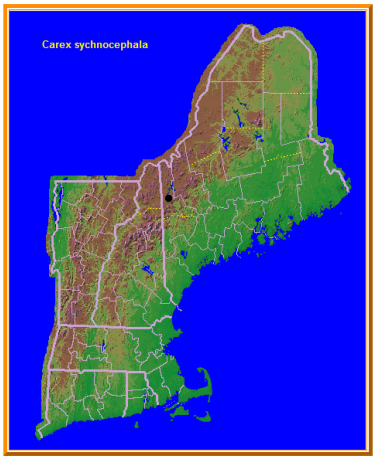


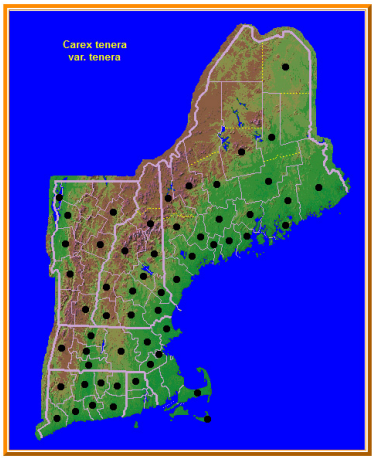
Carex striatula Michaux - . 2n = 36, 40.
Rich, deciduous or mixed woodlands. [*C. laxiflora* Lamarck var. *angustifolia* Dewey]

Carex stricta Lamarck - **Tussock Sedge**. 2n = 68, 70.
Swamps, shores, meadows. [*C. stricta* Lamarck var. *strictior* (Dewey) J. Carey]

Carex styloflexa Buckley - . 2n = 48.
Moist, rich woods, springheads.



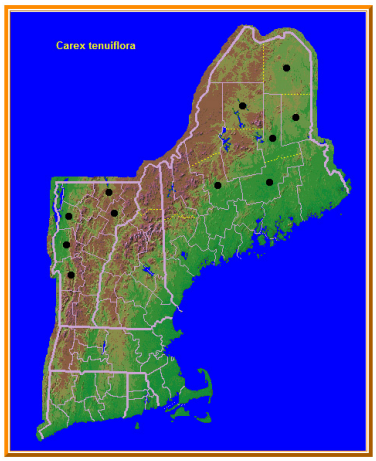


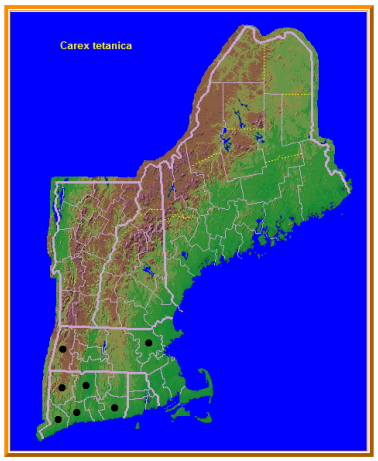


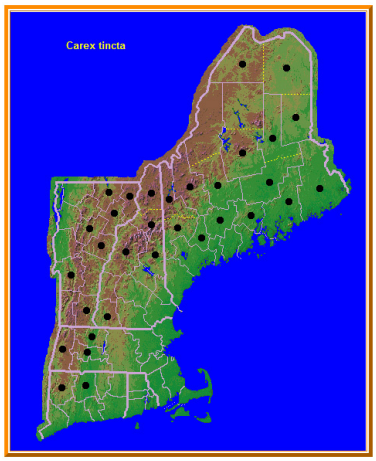
Carex swanii (Fernald) Mackenzie - . 2n = 54.
Woods, often dry, thickets, clearings.

Carex sychnocephala J. Carey - . 2n = 64.
Open, sandy or peaty shores.

Carex tenera Dewey var. ***tenera*** - . 2n = 52, 54, 56.
Meadows, open woods.



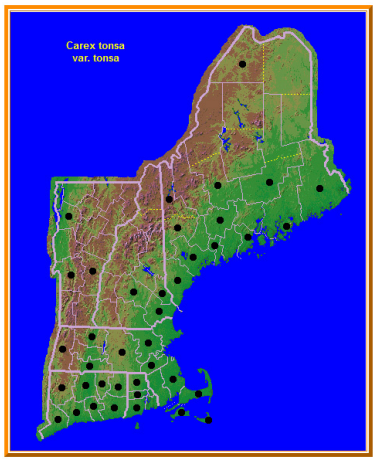


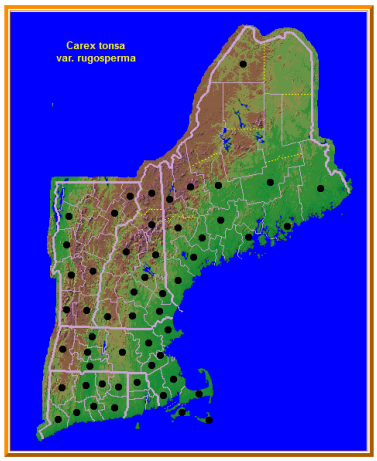


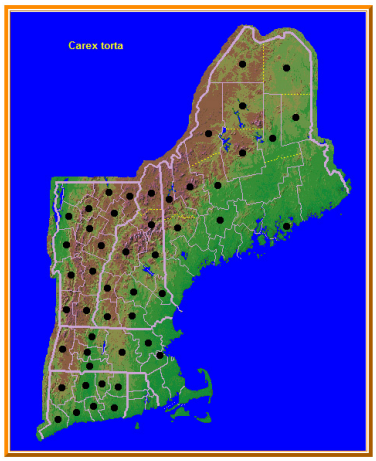
Carex tenuiflora Wahlenberg - . 2n = 58, 62, 64.
Sphagnum bogs, mossy woods.

Carex tetanica Schkuhr - . 2n = 56.
Calcareous bogs.

Carex tincta (Fernald) Fernald - . 2n = 74, 76.
Fields, open woods.



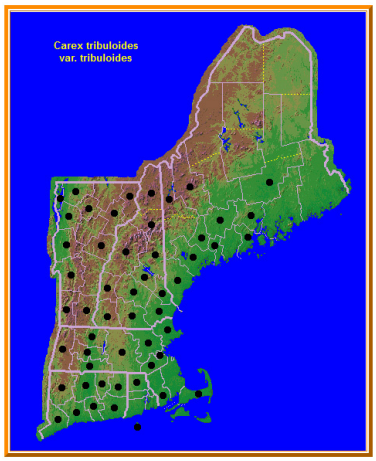


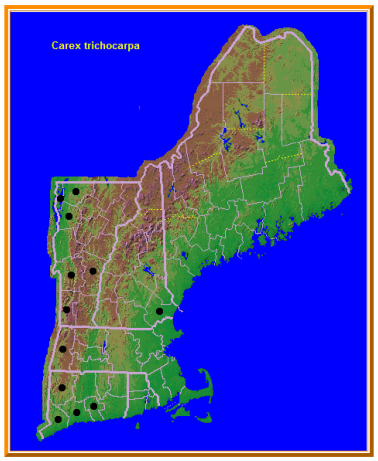


Carex tonsa (Fernald) E.P. Bicknell var. ***tonsa*** - . 2n = 32.
Dry, sandy fields, openings and roadsides.

Carex tonsa (Fernald) E.P. Bicknell var. ***rugosperma*** (Mackenzie) Crins - . 2n = ?
Dry, sandy fields, openings and roadsides. [*C. rugosperma* Mackenzie]

Carex torta Boott - . 2n = 66.
Stream banks.

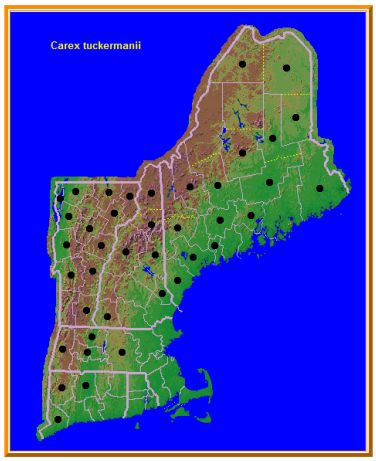


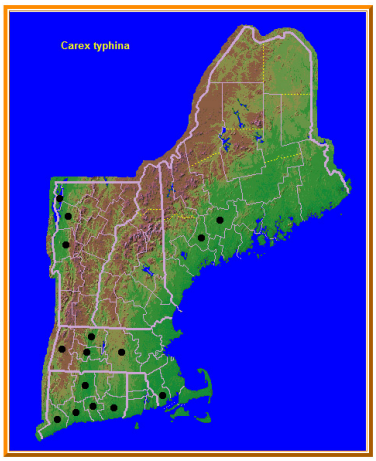


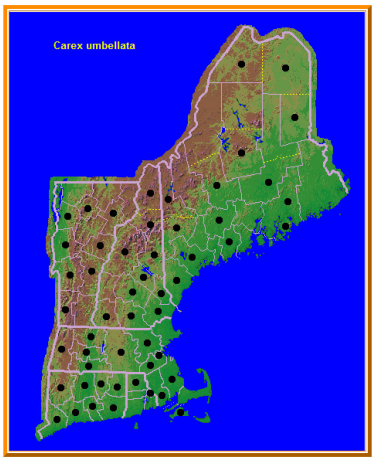
Carex tribuloides Wahlenberg var. ***tribuloides*** - . 2n = 68, 70, 72.
Bottomlands, swales, meadows.

Carex trichocarpa Muhlenberg *ex* Willdenow - . 2n = ?
Calcareous marshes, bottomlands and meadows.

Carex trisperma Dewey - . 2n = 60.
Sphagnous, wet woods and bogs. [*C. trisperma* var. *billingsii* O.W. Knight]



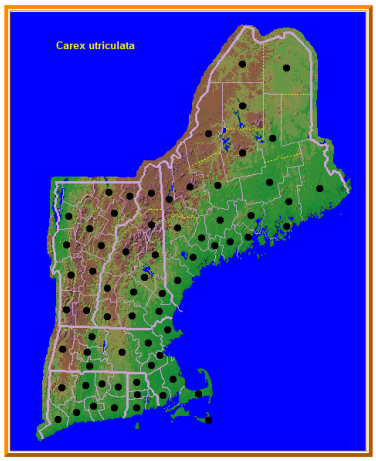


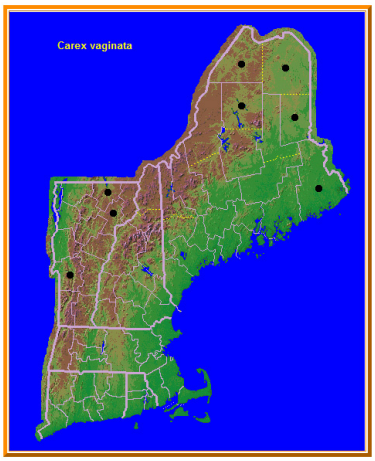


Carex tuckermanii Dewey - . 2n = ?
Meadows, shores, swamps.

Carex typhina Michaux - . 2n = 54.
Shores, meadows, wet woods.

Carex umbellata Schkuhr *ex* Willdenow - **Sand Sedge**. 2n = 30.
Dry soil in open woods, clearings and fields. [*C. abdita* E.P. Bicknell]

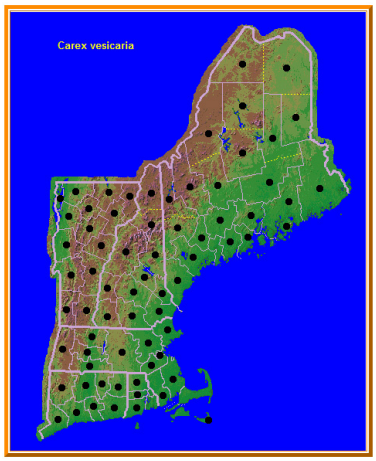


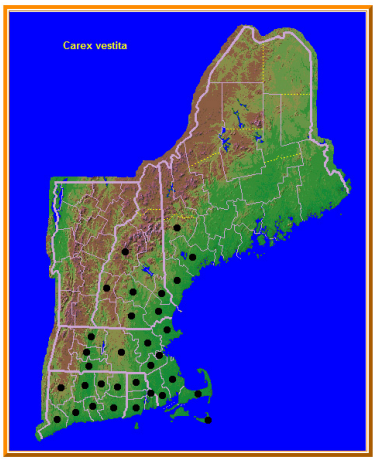


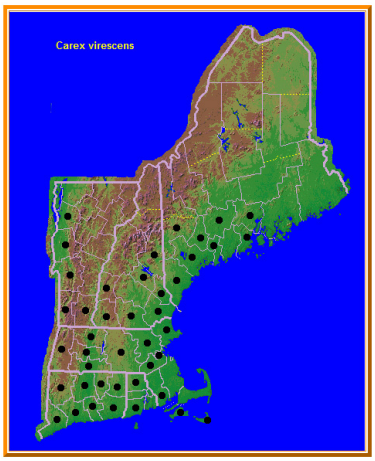
Carex utriculata Boott - . 2n = 82.
Swamps, marshes, meadows, bogs, shores. [*C. rostrata* Stokes var. *utriculata* (Boott) L.H. Bailey; *C. rostrata* misapplied]

Carex vacillans Drejer - . 2n = 78, 79.
Coastal shores and salt marshes.

Carex vaginata Tausch - . 2n = (30), 32.
Calcareous bogs, swamps and boggy woods.



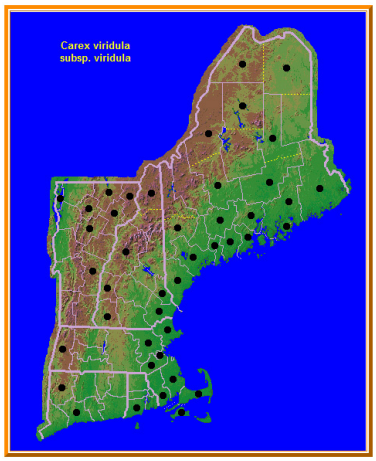


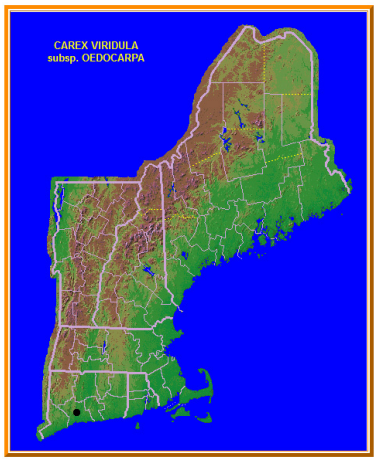


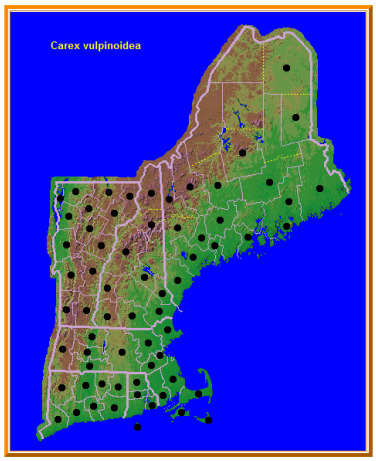
Carex vesicaria Linnaeus - . 2n = (70), 74, 82, (86), (88).
Swamps, meadows, marshes, shores. [*C. vesicaria* var. *distenta* Fries; *C. vesicaria* var. *jejuna* Fernald; *C. vesicaria* var. *monile* (Tuckerman *ex* Boott) Fernald; *C. vesicaria* var. *raeana* (Boott) Fernald)]

Carex vestita Willdenow - **Stiff Sedge**. 2n = ?
Dry, sandy woods and clearings.

Carex virescens Muhlenberg *ex* Willdenow - . 2n = 60.
Dry woods, clearings.



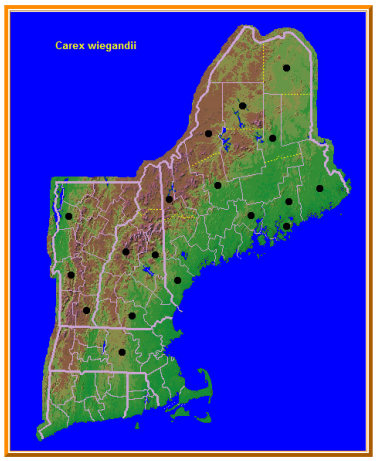


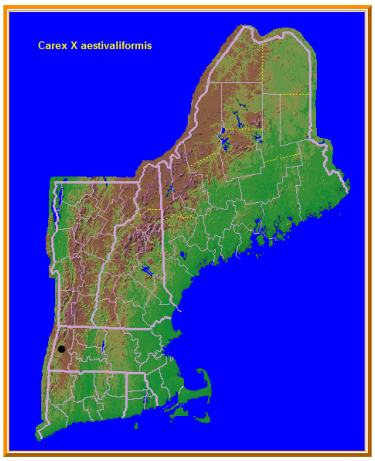


Carex viridula Michaux var. ***viridula*** - . 2n = 60, 68, 70, 72.
Shores, often calcareous, springy places.

CAREX VIRIDULA Michaux subsp. ***OEDOCARPA*** (Andersson) B. Schmid - . 2n = (68), 70.
Shores and meadows, in acidic soil. From Europe and northwestern Africa. [*C. demissa* Hornemann]

Carex vulpinoidea Michaux - . 2n = 52.
Low, open ground, shores, meadows, marshes. [*C. setacea* Dewey]



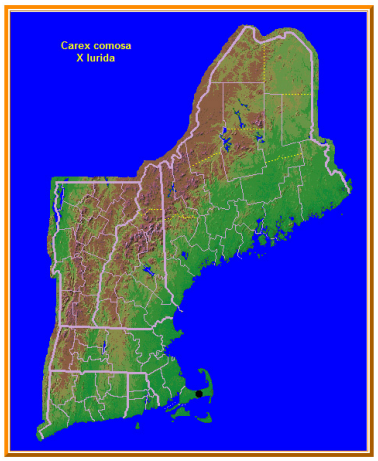


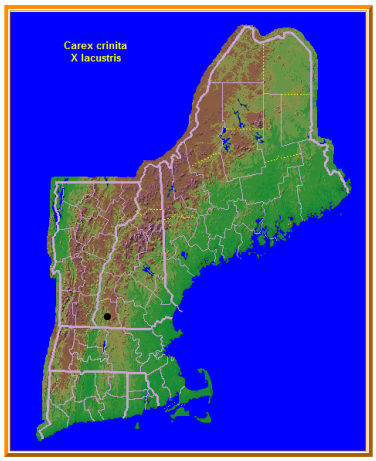
Carex wiegandii Mackenzie - . 2n = ?
Bogs and sphagnous areas.

Carex willdenowii Schkuhr *ex* Willdenow - . 2n = 78.
Dry, rocky, acidic woods.

Carex hybrids

Carex X ***aestivaliformis*** Mackenzie - .
[*C. aestivalis* M.A. Curtis *ex* A. Gray X *C. gracillima* Schweinitz]

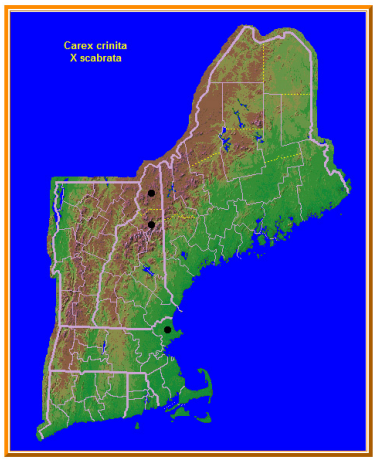


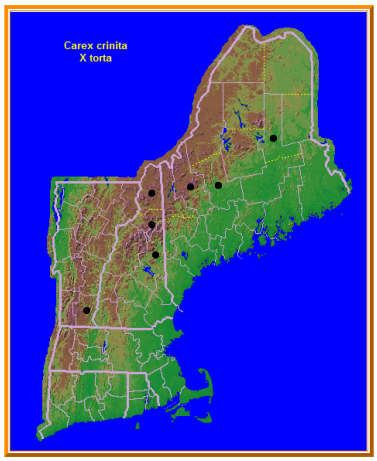


Carex bebbii (L.H. Bailey) Olney *ex* Fernald X ***C. scoparia*** Schkuhr *ex* Willdenow var. ***scoparia*** - .

Carex comosa Boott X ***C. lurida*** Wahlenberg - .

Carex crinita Lamarck X ***C. lacustris*** Willdenow - .

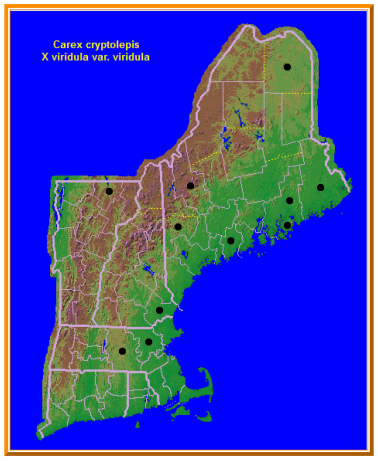




Carex crinita Lamarck X ***C. scabrata*** Schweinitz - .

Carex crinita Lamarck X ***C. torta*** Boott - .

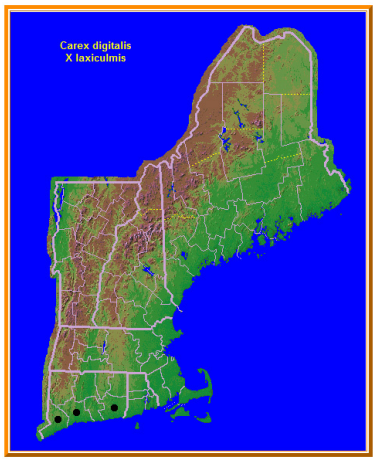
Carex crinita Lamarck X ***C. vesicaria*** Linnaeus - .

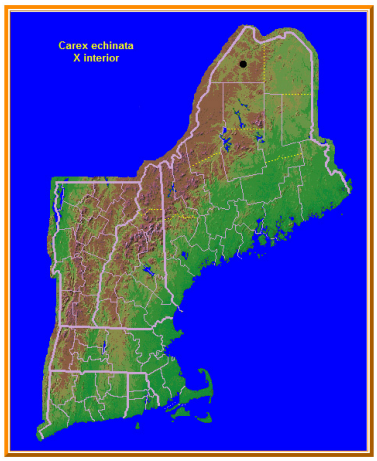


Carex cryptolepis Mackenzie X ***C. flava*** Linnaeus - .

Carex cryptolepis Mackenzie X ***C. viridula*** Michaux var. ***viridula*** - .

Carex cumulata (L.H. Bailey) Mackenzie X ***C. scoparia*** Schkuhr *ex* Willdenow var. ***scoparia*** - .





Carex digitalis Willdenow X ***C. laxiculmis*** Schweinitz - .

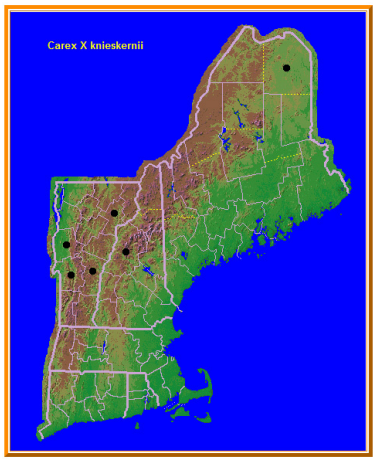
Carex echinata Murray X ***C. interior*** L.H. Bailey - .

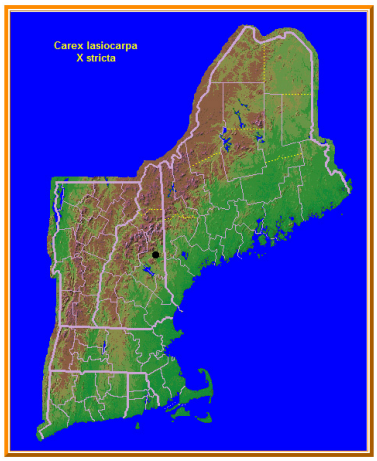
Carex gracillima Schweinitz X ***C. virescens*** Muhlenberg *ex* Willdenow - .

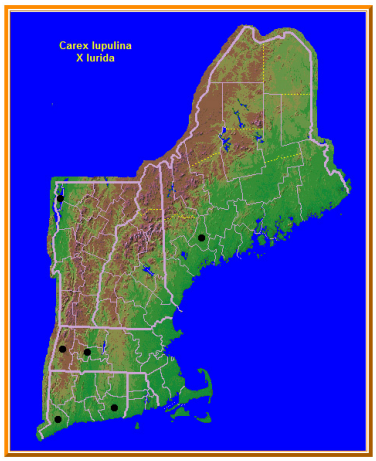
Carex gynandra Schweinitz X ***C. scabrata*** Schweinitz - .

Carex X ***hartii*** Dewey (*pro species*) - .
[*C. lurida* Wahlenberg X *C. retrorsa* Schweinitz]

Carex hormathodes Fernald X ***C. scoparia*** Schkuhr *ex* Willdenow var. ***scoparia*** - .



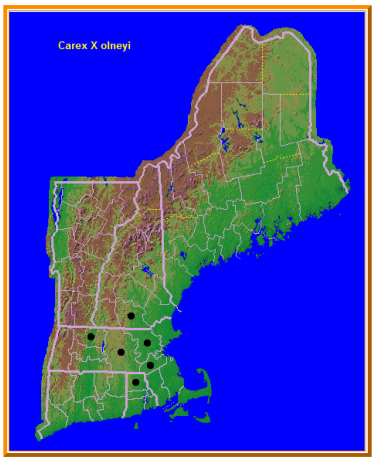




Carex X ***knieskernii*** Dewey (*pro species*) - .
[*C. arctata* Boott X *C. castanea* Wahlenberg]

Carex lasiocarpa Ehrhart X ***C. stricta*** Lamarck - .

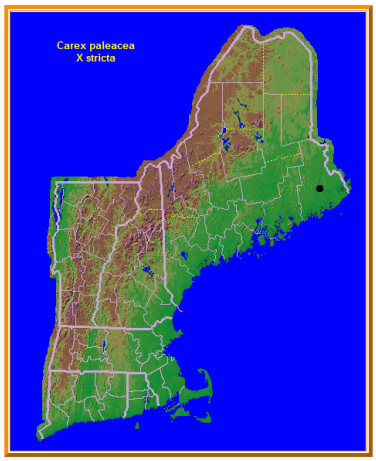
Carex lupulina Muhlenberg *ex* Willdenow X ***C. lurida*** Wahlenberg - .

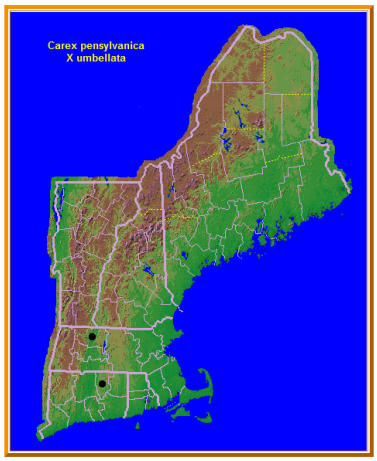


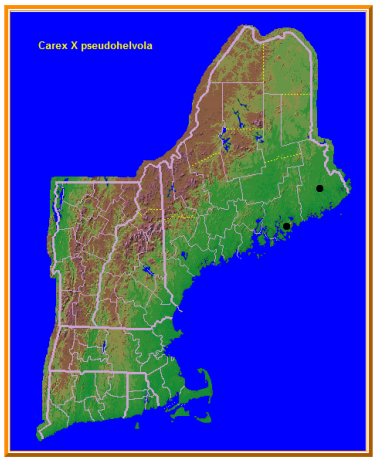
Carex lurida Wahlenberg X ***C. mitchelliana*** M.A. Curtis - .

Carex lurida Wahlenberg X ***C. utriculata*** Boott - .

Carex X ***olneyi*** Boott - .
[*C. bullata* Schkuhr *ex* Willdenow X *C. utriculata* Boott]



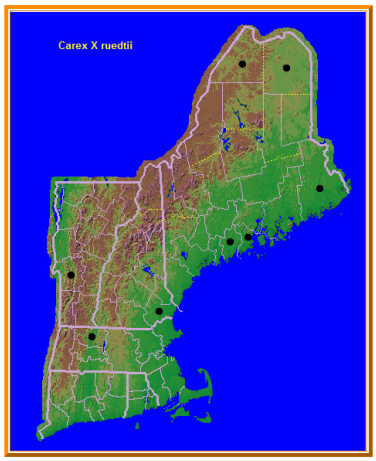


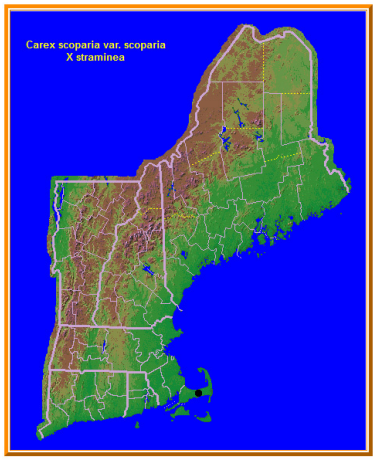


Carex paleacea Schreber *ex* Wahlenberg X ***C. stricta*** Lamarck - .

Carex pensylvanica Lamarck X ***C. umbellata*** Schkuhr *ex* Willdenow - .

Carex X ***pseudohelvola*** Kihlman (*pro species*) - .
[*C. canescens* Linnaeus subsp. *canescens* X *C. mackenziei* V.I. Kreczetowicz]

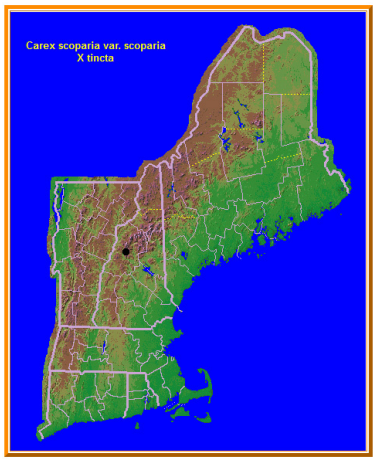


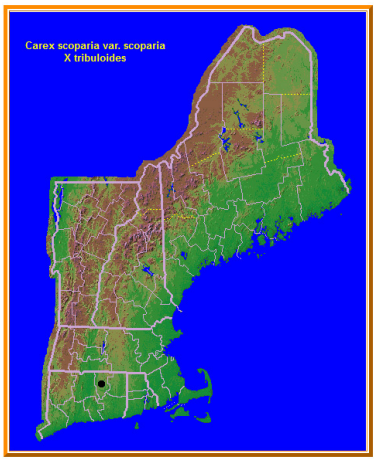


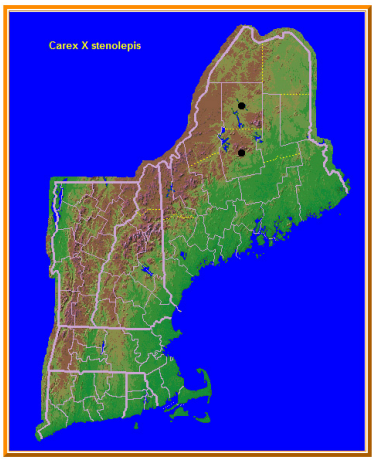
Carex X ***ruedtii*** Kneucker - .
[*C. flava* Linnaeus X *C. viridula* Michaux var. *viridula*; *C.* X *subviridula* Fernald]

Carex X ***saxenii*** Raymond - .
[*C. paleacea* Schreber *ex* Wahlenberg X *C. recta* Boott]

Carex scoparia Schkuhr *ex* Willdenow var. ***scoparia*** X ***C. straminea*** Willdenow - .



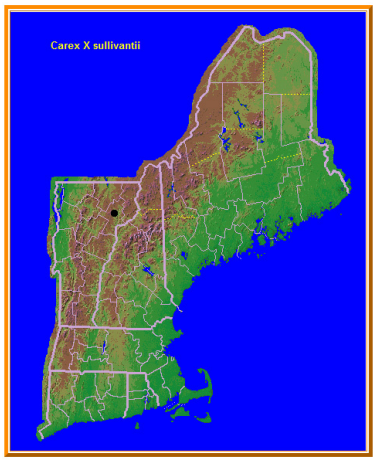


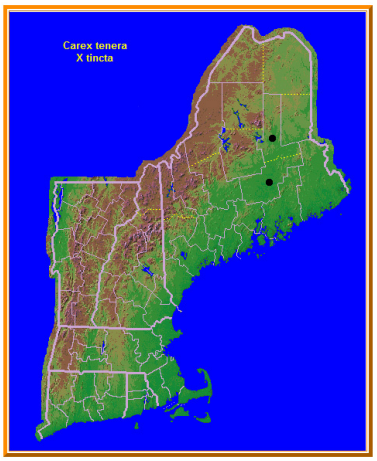


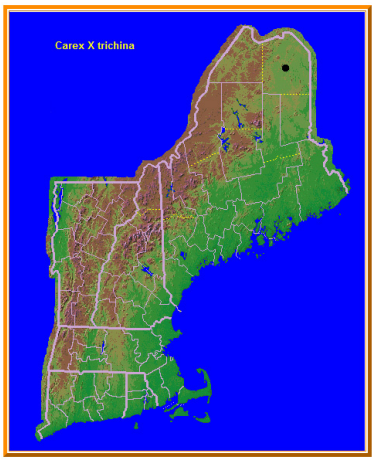
Carex scoparia Schkuhr *ex* Willdenow var. ***scoparia*** X ***C. tincta*** (Fernald) Fernald - .

Carex scoparia Schkuhr *ex* Willdenow var. ***scoparia*** X ***C. tribuloides*** Wahlenberg - .

Carex X ***stenolepis*** Lessing - .
[*C. saxatalis* Linnaeus X *C. vesicaria* Linnaeus; *C.* X *mainensis* Porter *ex* Britton]



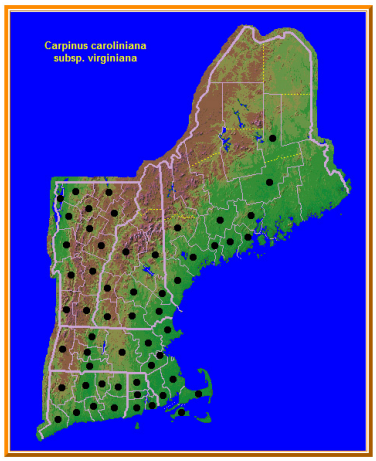


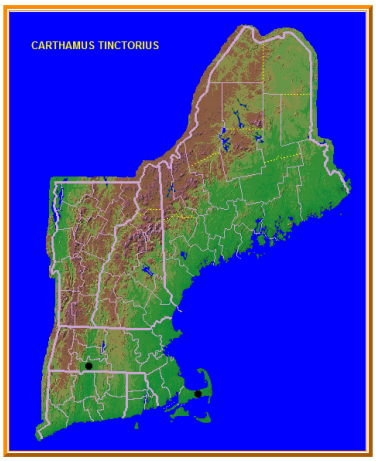


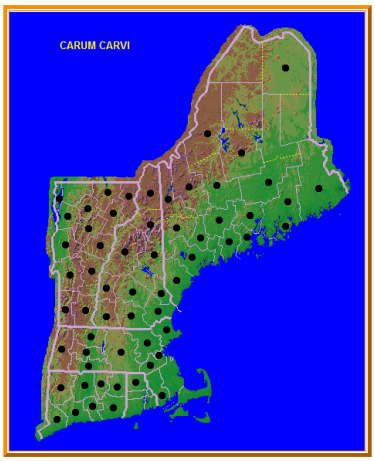
Carex X ***sullivantii*** Boott - .
[*C. gracillima* Schweinitz X *C. hirtifolia* Mackenzie]

Carex tenera Dewey X ***C. tincta*** (Fernald) Fernald - .

Carex X ***trichina*** Fernald - .
[*C. tenuiflora* Wahlenberg X *C. trisperma* Dewey]







CARPINUS (Family: Betulaceae)

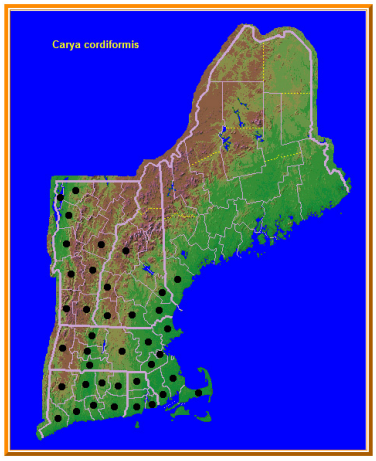
Carpinus caroliniana Walter subsp. ***virginiana*** (Marshall) Furlow - **American Hornbeam**. 2n = 16.
Stream and swamp borders, rich, moist woods. [*C. caroliniana* var. *virginiana* (Marshall) Fernald]

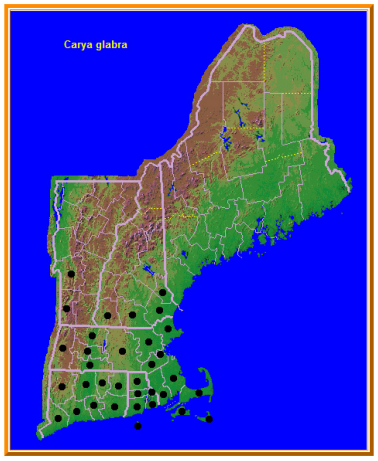
CARTHAMUS (Family: Asteraceae)

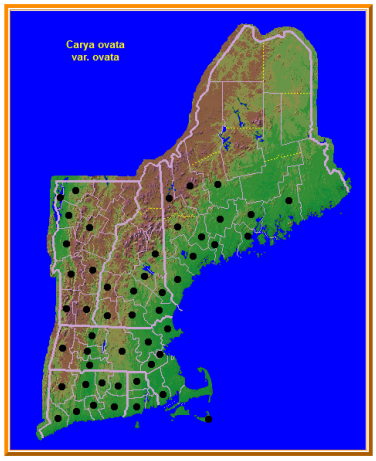
CARTHAMUS TINCTORIUS Linnaeus - **Safflower**. 2n = 24.
Waste areas. Probably from western Asia.

CARUM (Family: Apiaceae)

CARUM CARVI Linnaeus - **Caraway**. 2n = 20, (22).
Fields, roadsides, waste places. From Eurasia, northwestern Africa.





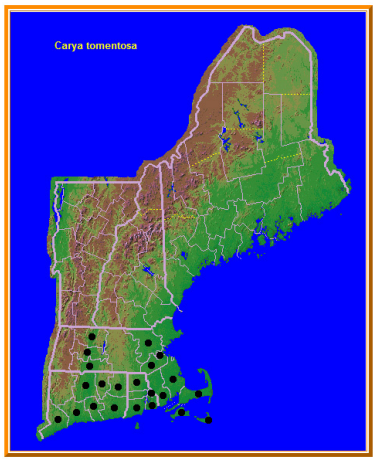


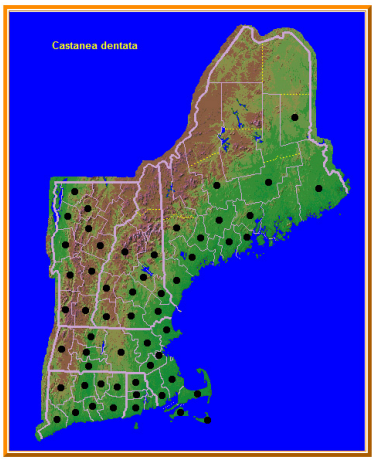
CARYA (Family: Juglandaceae)

Carya cordiformis (Wangenheim) K. Koch - **Bitternut Hickory**. 2n = 32.
Wet woods, damp fields, stream banks, hillsides, roadsides.

Carya glabra (Miller) Sweet - **Pignut Hickory**. 2n = 64.
Woods, dry hills. [*C. glabra* var. *odorata* (Marshall) Little; *C. ovalis* (Wangenheim) Sargent; *C. ovalis* var. *hirsuta* (Ashe) Sargent; *C. ovalis* var. *obcordata* (Pursh) Sargent; *C. ovalis* var. *obovalis* Sargent; *C. ovalis* var. *odorata* (Marshall) Sargent]

Carya ovata (Miller) K. Koch var. ***ovata*** - **Shagbark Hickory**. 2n = 32.
Rich, moist soils of woods, slopes, and roadsides.





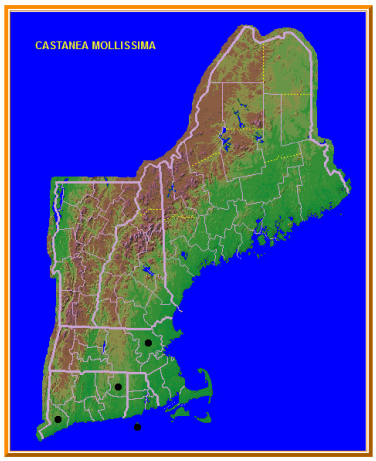
Carya tomentosa (Lamarck) Nuttall - **Mockernut Hickory**. 2n = 64.
Woods in well-drained soil, rocky hillsides. [*C. alba* - ambiguous name]

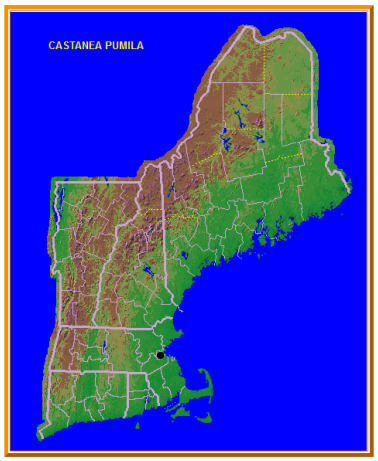
***Carya* hybrid**

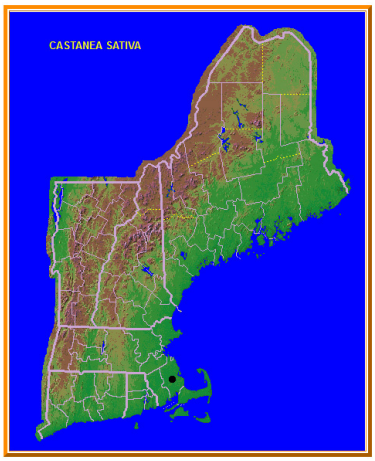
Carya X ***laneyi*** Sargent - .
[*C. cordiformis* (Wangenheim) K. Koch X *C. ovata* (Miller) K. Koch var. *ovata*]

CASTANEA (Family: Fagaceae)

Castanea dentata (Marshall) Borkhausen - **American Chestnut**. 2n = 24.
Dry woods, mostly in acidic soil.



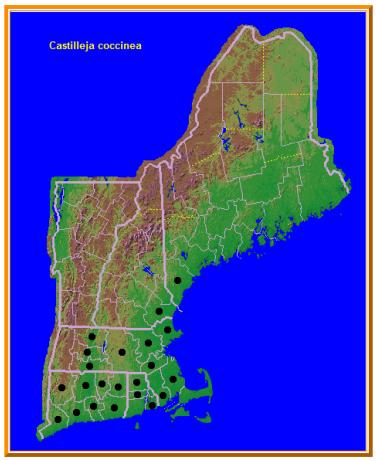


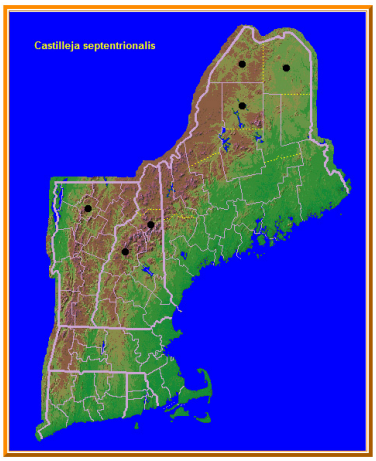


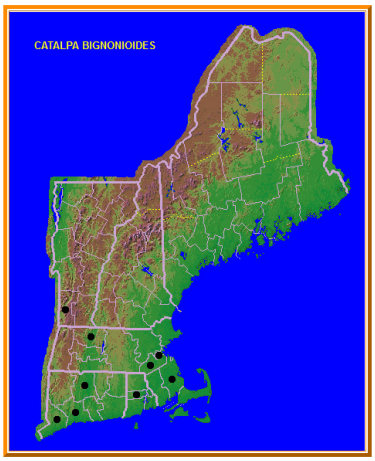
CASTANEA MOLLISSIMA Blume - **Chinese Chestnut**. 2n = 24.
Field borders, pine woods. From eastern Asia.

CASTANEA PUMILA (Linnaeus) Miller - **Chinquapin**. 2n = ?
Dry, open woods. From farther south.

CASTANEA SATIVA Miller - **Spanish Chestnut**. 2n = 22, 24.
Dry woods. From Eurasia.







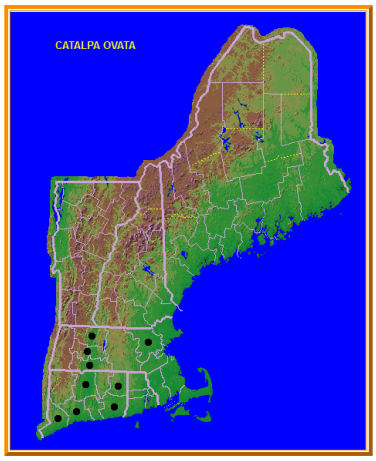
CASTILLEJA (Family: Orobanchaceae)

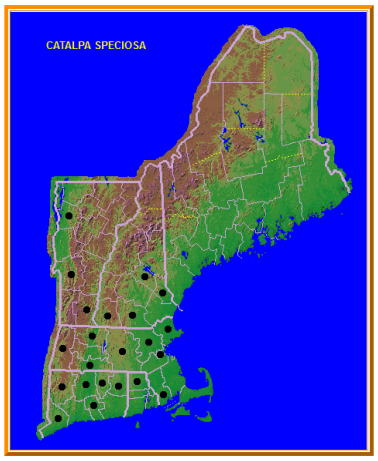
Castilleja coccinea (Linnaeus) Sprengel - **Scarlet Painted-cup**. 2n = 24, 46, 48.
Meadows, swamps.

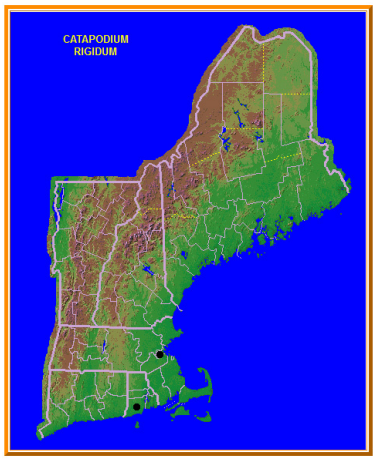
Castilleja septentrionalis Lindley - . 2n = 24, 48, (ca. 96).
Rocky or peaty soil at high altitudes, gravelly or rocky river shores and banks.

CATALPA (Family: Bignoniaceae)

CATALPA BIGNONIOIDES Walter - **Southern Catalpa**. 2n = 40.
Roadsides, waste places, streambanks. From farther south.





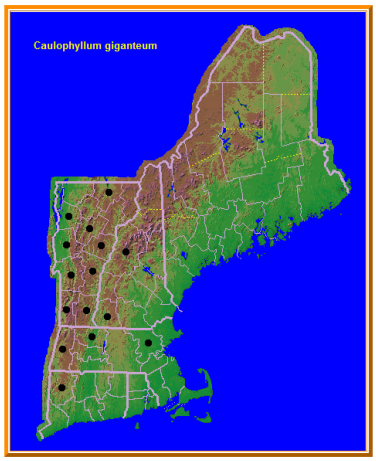


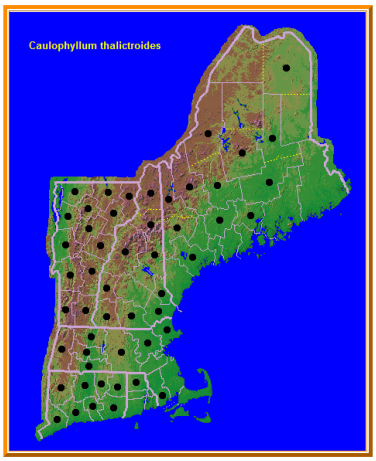
CATALPA OVATA G. Don - **Chinese Catalpa**. 2n = 40.
Roadsides, railroads, waste places, streambanks. From China.

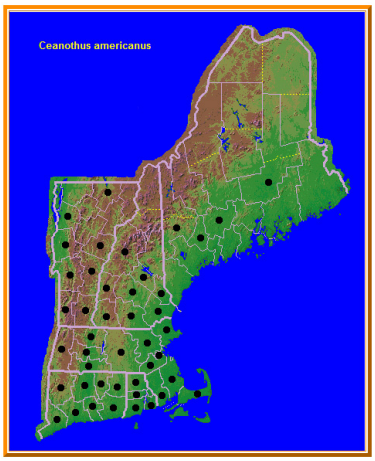
CATALPA SPECIOSA Teas - **Northern Catalpa**. 2n = 40.
Roadsides, railroads, waste places, moist woods, streambanks. From farther south and west.

CATAPODIUM (Family: Poaceae)

CATAPODIUM RIGIDUM (Linnaeus) C.E. Hubbard - . 2n = 14, (28).
Waste places. From Europe. [*DESMAZERIA RIGIDA* (Linnaeus) Tutin; *SCLEROPOA RIGIDA* (Linnaeus) Grisebach]







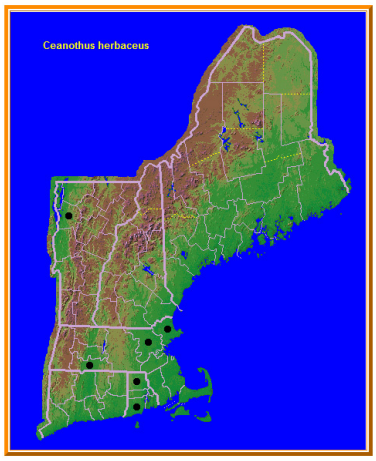
CAULOPHYLLUM (Family: Berberidaceae)

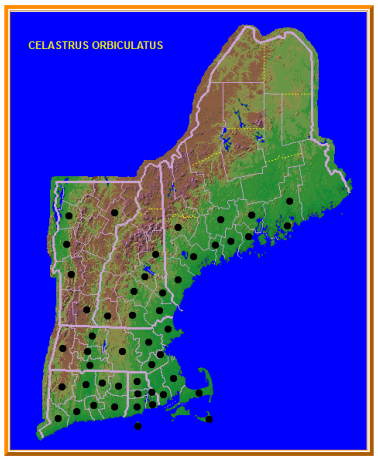
Caulophyllum giganteum (Farwell) Loconte & W.H. Blackwell - . 2n = 16.
Rich woods.

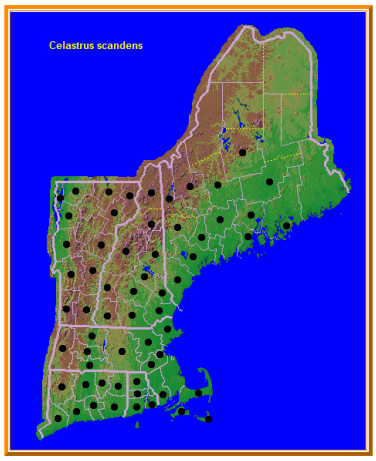
Caulophyllum thalictroides (Linnaeus) Michaux - **Blue Cohosh**. 2n = 16.
Rich woods.

CEANOTHUS (Family: Rhamnaceae)

Ceanothus americanus Linnaeus - **New Jersey Tea**. 2n = 24.
Thickets, open woodlands, rocky or gravelly banks, roadsides, in dry, open soil. [*C. americanus* var. *intermedius* (Pursh) Torrey & A. Gray]





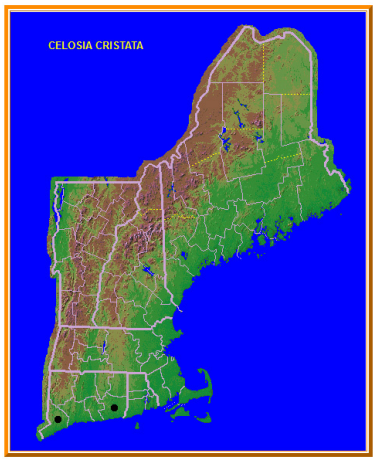


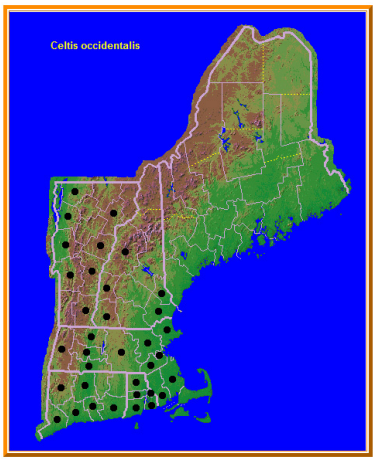
Ceanothus herbaceus Rafinesque - **Prairie Redroot**. 2n = 24.
Lake shores, fields, in dry, open, sandy soil. [*C. ovatus* misapplied]

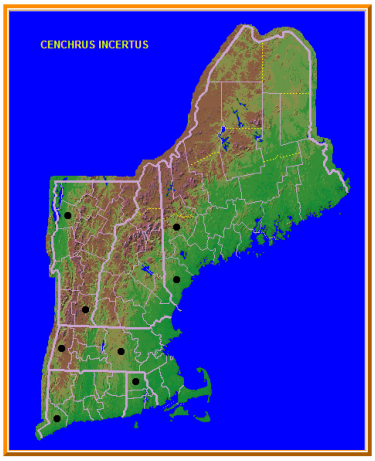
CELASTRUS (Family: Celastraceae)

CELASTRUS ORBICULATUS Thunberg - **Asian Bittersweet**. 2n = 46.
Roadsides, thickets, woodland margins, open woodlands. From eastern Asia.

Celastrus scandens Linnaeus - **American Bittersweet**. 2n = 46.
River thickets, roadsides, woodland margins, rocky, deciduous woodlands, usually in rich soil.







CELOSIA (Family: Amaranthaceae)

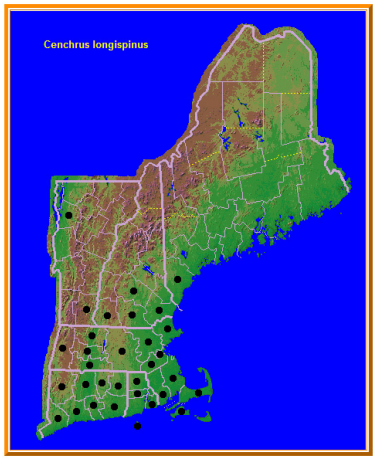
CELOSIA CRISTATA Linnaeus - **Cultivated Cockscomb**. 2n = (35), 36, (54).
Waste places. From cultivation. [*C. ARGENTEA* Linnaeus var. *CRISTATA* (Linnaeus) Kuntze]

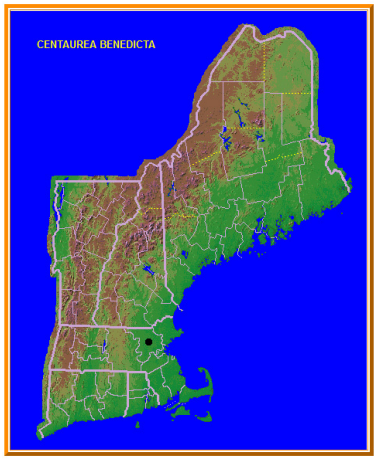
CELTIS (Family: Cannabaceae)

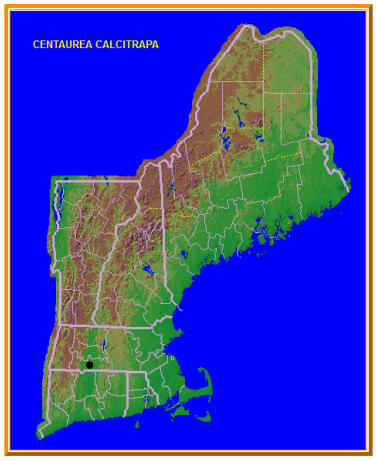
Celtis occidentalis Linnaeus - **Hackberry**. 2n = 20, (28).
Rich woods, along streams, roadsides. [*C. occidentalis* var. *canina* (Rafinesque) Sargent; *C. occidentalis* var. *pumila* (Pursh) A. Gray]

CENCHRUS (Family: Poaceae)

CENCHRUS INCERTUS M.A. Curtis - **Coast Sandbur**. 2n = (32), 34.
Sandy areas. From farther south. [*C. PAUCIFLORUS* Bentham; *C. SPINIFEX* Cavanilles - doubtful name possibly misapplied]





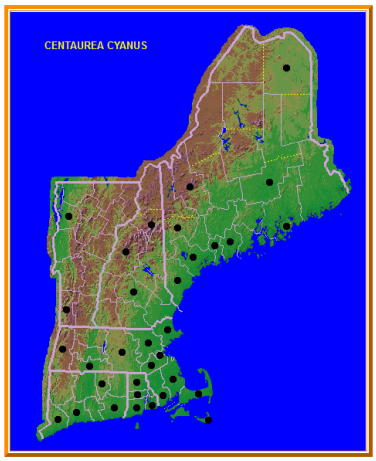


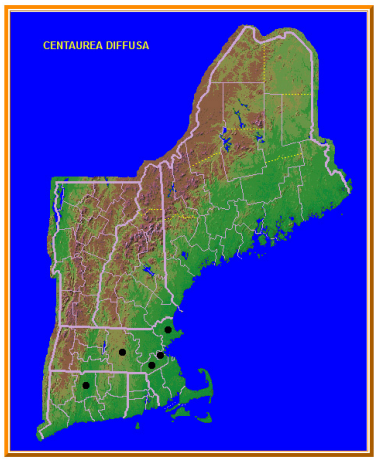
Cenchrus longispinus (Hackel) Fernald - **Field Sandbur**. 2n = 34.
Sandy fields, roadsides, railroads.

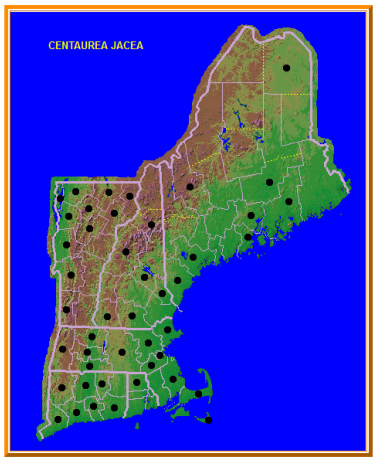
CENTAUREA (Family: Asteraceae)

CENTAUREA BENEDICTA (Linnaeus) Linnaeus - **Blessed Thistle**. 2n = 22.
Waste places, roadsides. From Mediterranean region, Asia Minor. [*CNICUS BENEDICTUS* Linnaeus]

CENTAUREA CALCITRAPA Linnaeus - **Purple Star-thistle**. 2n = 20.
Roadsides, waste places, fields. From Eurasia, northern Africa.



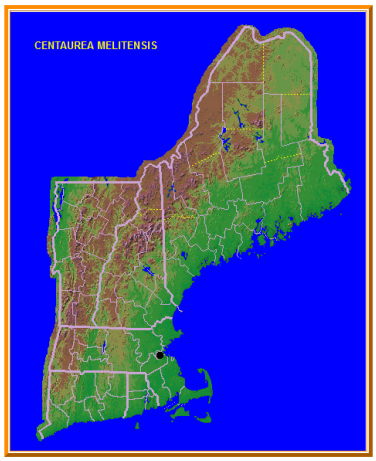


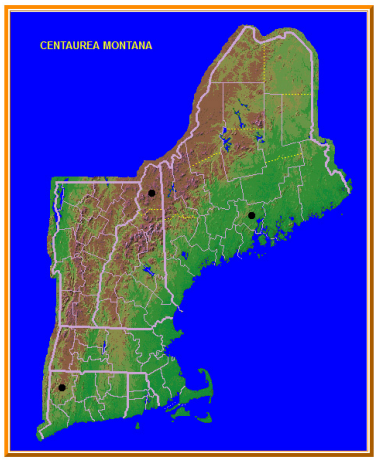


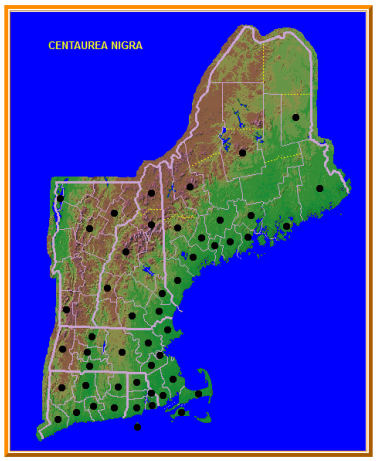
CENTAUREA CYANUS Linnaeus - **Cornflower**. 2n = (18), (20), 24, (48).
Roadsides, waste places, fields. From Eurasia.

CENTAUREA DIFFUSA Lamarck - . 2n = (16), 18.
Roadsides, waste places, fields. From Eurasia.

CENTAUREA JACEA Linnaeus - **Brown Knapweed**. 2n = (20), (22), 44.
Roadsides, waste places, fields. From Eurasia. [*C. AMARA* Linnaeus]



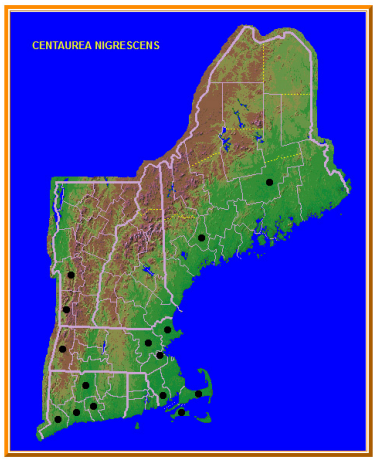


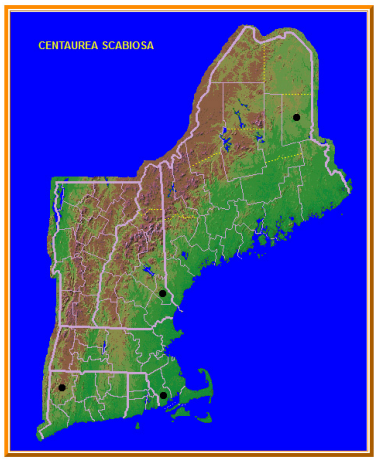


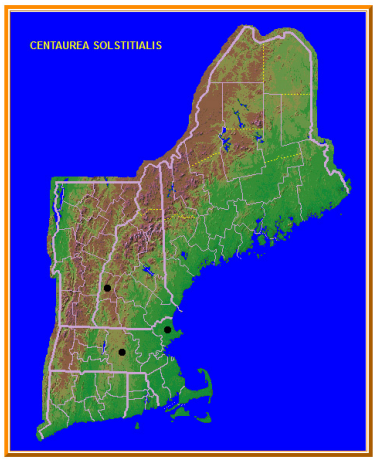
CENTAUREA MELITENSIS Linnaeus - **Tocalote**. 2n = (14), (18), (20), (22), 24, (36).
Waste places. From the Mediterranean region.

CENTAUREA MONTANA Linnaeus - **Mountain-bluet**. 2n = 24, 40, 44.
Railroads, roadsides, waste places. From Europe.

CENTAUREA NIGRA Linnaeus - **Garden Catchfly**. 2n = 22, 44.
Fields, roadsides, waste places. From Europe.



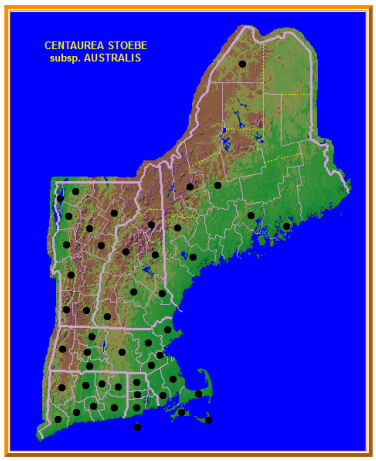


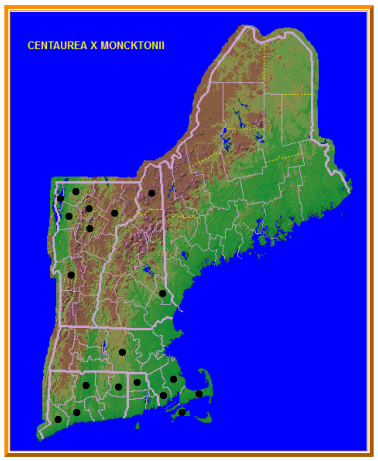


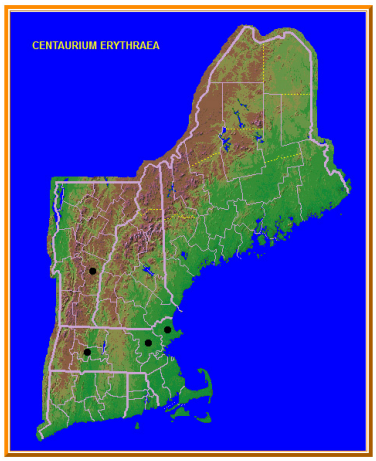
CENTAUREA NIGRESCENS Willdenow - **Tyrol Knapweed**. 2n = 44.
Fields, roadsides, waste places. From Eurasia. [*C. DUBIA* misapplied; *C. VOCHINENSIS* Bernhardi *ex* Reichenbach]

CENTAUREA SCABIOSA Linnaeus - **Greater Knapweed**. 2n = (14), 20, 40.
Meadows, fields, roadsides, railroads. From Europe.

CENTAUREA SOLSTITIALIS Linnaeus - **Yellow Star-thistle**. 2n = 16, (18).
Fields, roadsides, waste places. From Eurasia, northern Africa.







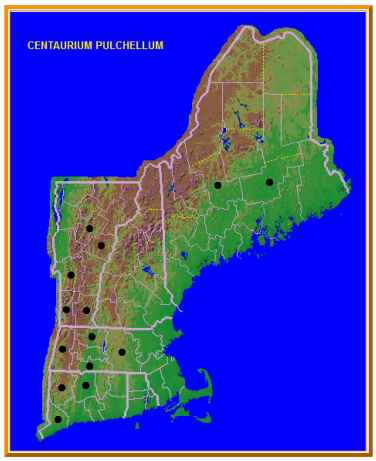
CENTAUREA STOEBE Linnaeus subsp. ***AUSTRALIS*** (Pančić *ex* A. Kerner) Greuter - . 2n = 36.
Fields, roadsides, waste places. From Europe. [*C. MACULOSA* misapplied; *C. STOEBE* subsp. *MICRANTHOS* (S.G. Gmelin *ex* Gugler) Hayek]

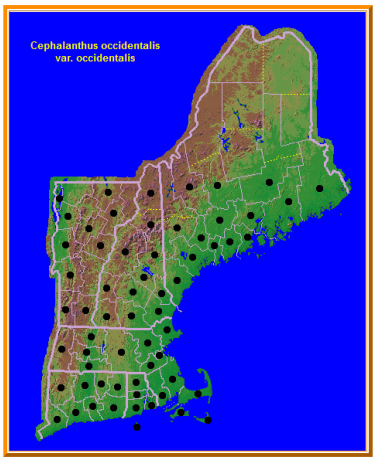
***Centaurea* hybrid**

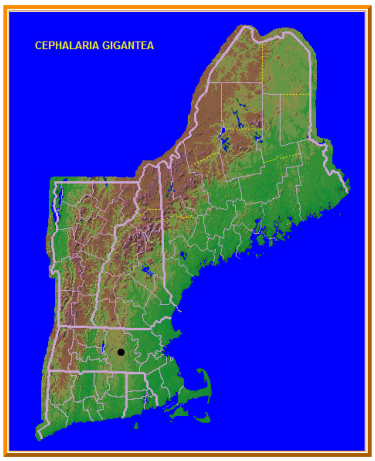
CENTAUREA X ***MONCKTONII*** C.E. Britton - .
[*C. NIGRA* Linnaeus var. *RADIATA* de Candolle; *C. PRATENSIS* Thuillier -- illegitimate name; *C. JACEA* Linnaeus X *C. NIGRA* Linnaeus]

CENTAURIUM (Family: Gentianaceae)

CENTAURIUM ERYTHRAEA Rafn - **Common Centaury**. 2n = (20), 40, (42).
Fields, waste places. From Eurasia, northern Africa. [*C. MINUS* Garsault -- illegitimate name; *C. UMBELLATUM* Gilibert -- illegitimate name]







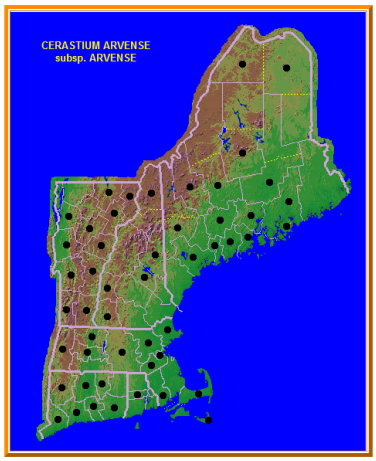
CENTAURIUM PULCHELLUM (Swartz) Hayek *ex* Handel-Mazzetti, Stadlemann, Janchen & Faltis - **Lesser Centaury**. 2n = (14), (18), (20), 36, 38, (40), (42), (54), (56), (72).
Waste places, roadsides, railroads, open sandy or gravelly areas. From Eurasia.

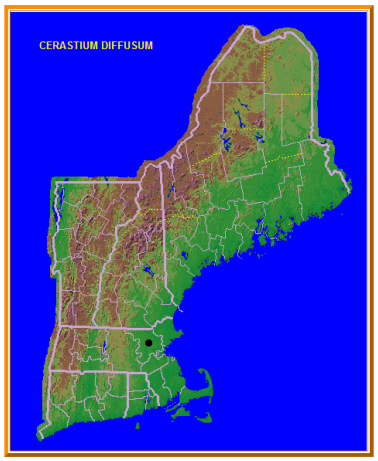
CEPHALANTHUS (Family: Rubiaceae)

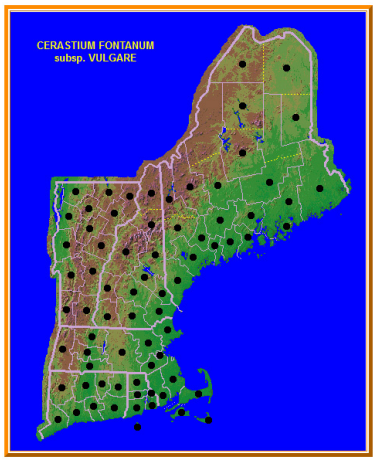
Cephalanthus occidentalis Linnaeus var. ***occidentalis*** - **Buttonbush**. 2n = 44.
Muddy freshwater shores, swamps, bogs, marshes, pond margins.

CEPHALARIA (Family: Dipsacaceae)

CEPHALARIA GIGANTEA (Ledebour) Bobrov - **Yellow Scabious**. 2n = (35), 36.
Roadsides. From southwestern Asia. [*C. TATARICA* misapplied]







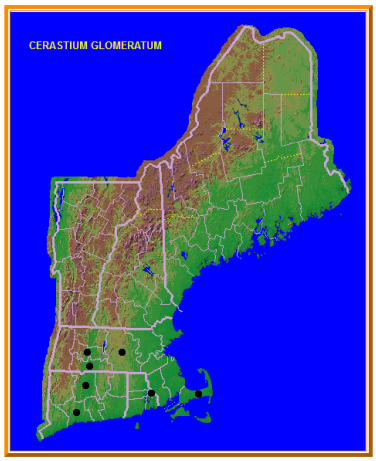
CERASTIUM (Family: Caryophyllaceae)

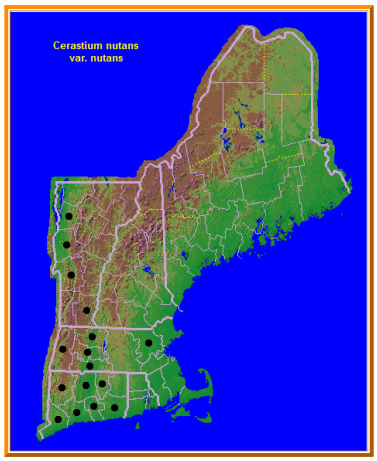
CERASTIUM ARVENSE Linnaeus subsp. ***ARVENSE*** - **Field Chickweed**. 2n = 36, (38), 72, (90).
Fields, roadsides, shores, cemeteries. From western Europe.

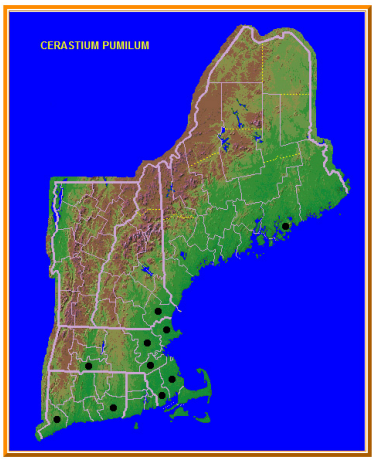
Cerastium arvense Linnaeus subsp. ***strictum*** Gaudin - **Field Chickweed**. 2n = 36.
Cliffs, gravel, roadsides, favoring basic soils. [*C. arvense* var. *viscidulum* Gremli] Note: This taxon is **not mapped** because it is not usually separated from the typical subspecies in New England herbaria.

CERASTIUM DIFFUSUM Persoon - . 2n = (36), 72.
Waste places. From Europe. [*C. TETRANDRUM* Curtis - illegitimate name]

CERASTIUM FONTANUM Baumgarten subsp. ***VULGARE*** (Hartman) Greuter & Burdet - **Common Mouse-ear**. 2n = 144, ca. 160.
Fields, waste places, roadsides. From Eurasia. [*C. VULGATUM* misapplied]



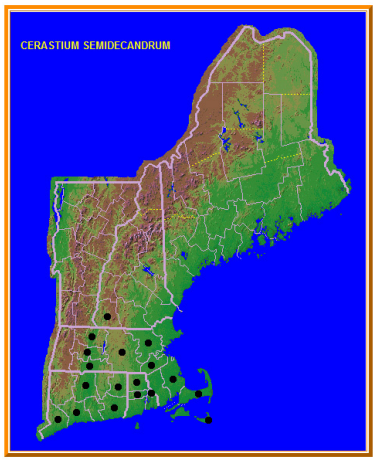


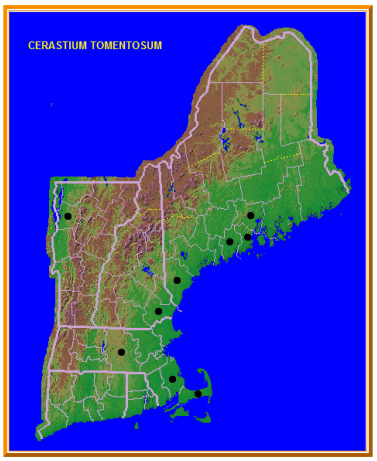


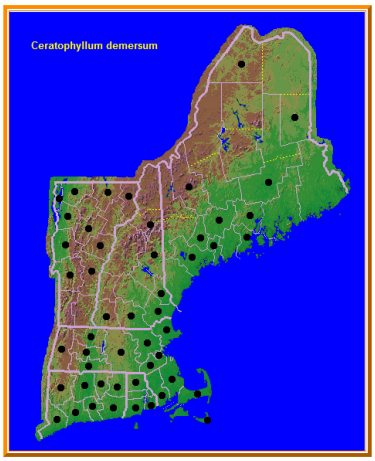
CERASTIUM GLOMERATUM Thuillier - **Sticky Mouse-ear**. 2n = 72.
Waste places, fields, roadsides. From Europe. [*C. VISCOSUM* misapplied]

Cerastium nutans Rafinesque var. ***nutans*** - **Nodding Chickweed**. 2n = 36.
Moist ledges, rich hillsides, alluvium, calcareous rocks.

CERASTIUM PUMILUM Curtis - **European Chickweed**. 2n = 72, 90, 95.
Dry, sandy fields and roadsides. From Eurasia.





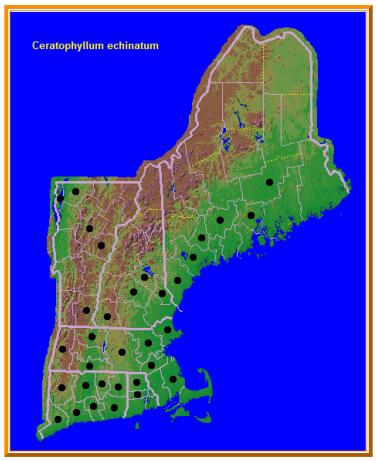


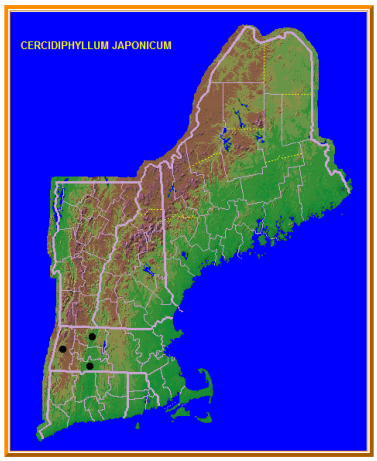
CERASTIUM SEMIDECANDRUM Linnaeus - **Little Mouse-ear**. 2n = (18), 36, (37).
Dry, sandy fields and roadsides. From Eurasia.

CERASTIUM TOMENTOSUM Linnaeus - **Snow-in-summer**. 2n = 36, 72, (90), (108).
Roadsides, riverbanks, old fields. From southeastern Europe. [*C. BIEBERSTEINII* misapplied]

CERATOPHYLLUM (Family: Ceratophyllaceae)

Ceratophyllum demersum Linnaeus - **Coontail**. 2n = 24, (28), (38), (40), (48).
Quiet water of lakes, ponds and streams.





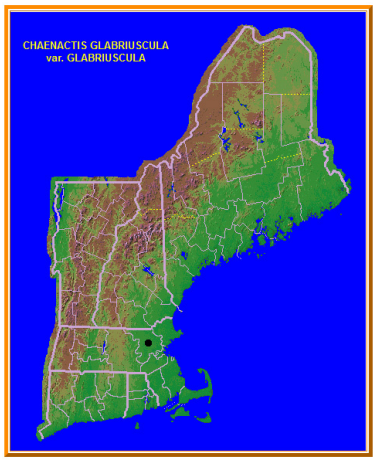
Ceratophyllum echinatum A. Gray - . 2n = 24.
Quiet water of lakes, ponds and streams.

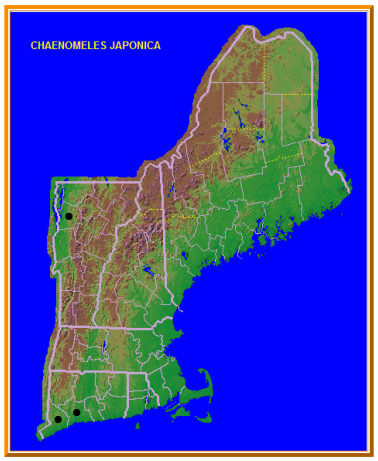
CERCIDIPHYLLUM (Family: Cercidiphyllaceae)

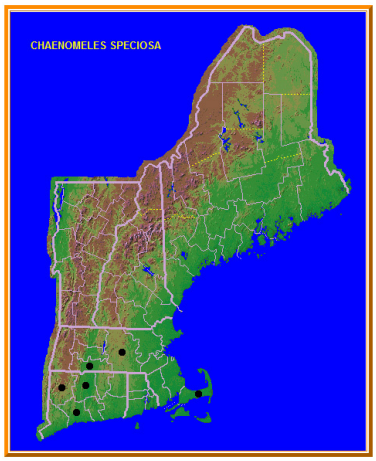
CERCIDIPHYLLUM JAPONICUM Siebold & Zuccarini *ex* J.J. Hoffmann & J.H. Schultes (later) - **Katsura-tree**. 2n = 38.
Woods, disturbed areas. From eastern Asia.

CERCIS(Family: Fabaceae)

Cercis canadensis Linnaeus subsp. ***canadensis*** - **Redbud**. 2n = (12), 14.
Rocky woods.







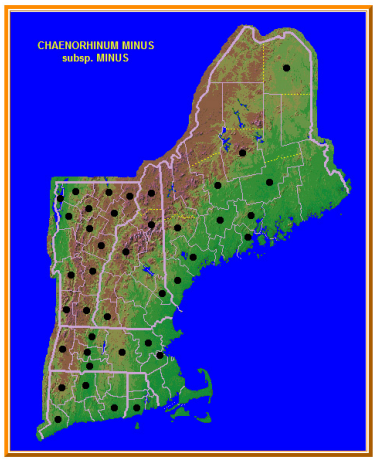
CHAENACTIS (Family: Asteraceae)

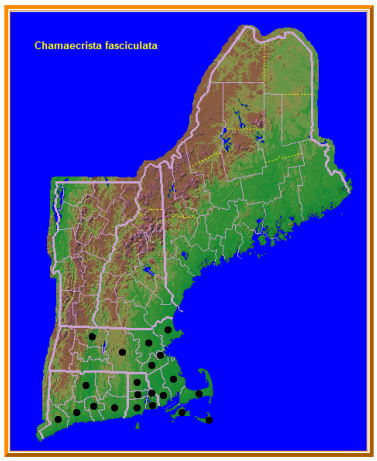
CHAENACTIS GLABRIUSCULA de Candolle var. ***GLABRIUSCULA*** - . 2n = 10, 12, (13), 14, (16), (18), (34).
Wool waste. From farther west.

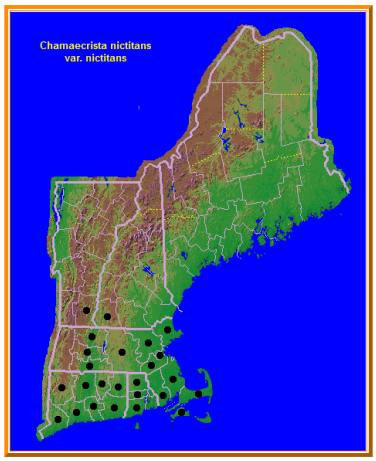
CHAENOMELES (Family: Rosaceae)

CHAENOMELES JAPONICA (Thunberg) Lindley *ex* Spach - **Japanese Flowering-quince**. 2n = 34.
Railroad ditches, moist woods. From Japan. [*CYDONIA JAPONICA* (Thunberg) Persoon]

CHAENOMELES SPECIOSA (Sweet) Nakai - **Chinese Flowering-quince**. 2n = 34.
Woods by pond shore, roadsides, thickets. From China, southeastern Asia. [*CYDONIA SPECIOSA* Sweet]







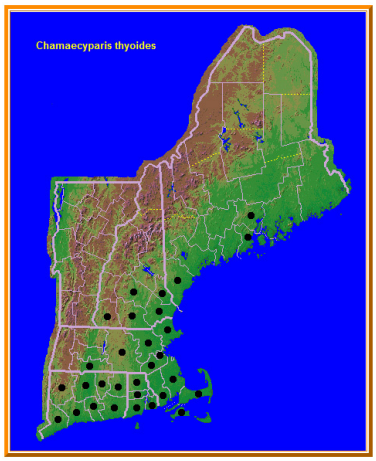
CHAENORHINUM (Family: Plantaginaceae)

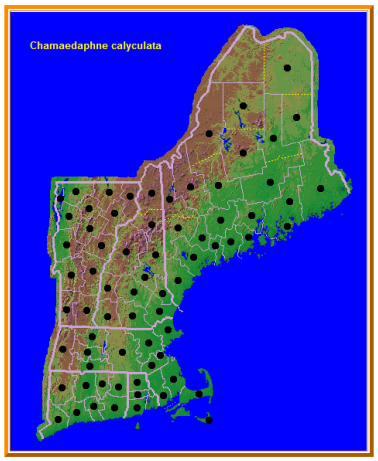
CHAENORHINUM MINUS (Linnaeus) Lange subsp. ***MINUS*** - . 2n = (12), 14, (28).
Waste places, roadsides, railroads. From Eurasia.

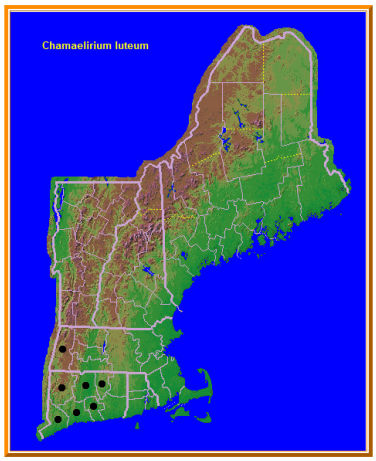
CHAMAECRISTA (Family: Fabaceae)

Chamaecrista fasciculata (Michaux) Greene - **Partridge-pea**. 2n = 14, 16.
Sandy, open fields and clearings, usually dry, roadsides. [*Cassia fasciculata* Michaux; *C. chamaecrista* misapplied]

Chamaecrista nictitans Moench var. ***nictitans*** - **Wild Sensitive Plant**. 2n = 48.
Gravelly or sandy, open soil, fields, roadsides. [*Cassia nictitans* Linnaeus]







CHAMAECYPARIS (Family: Cupressaceae)

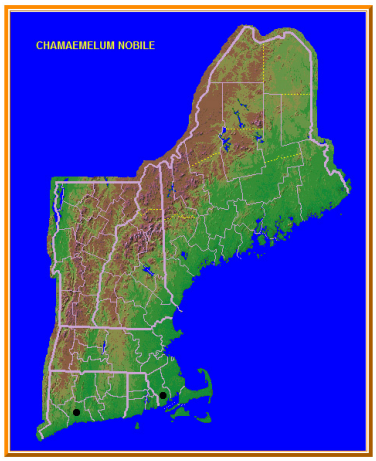
Chamaecyparis thyoides (Linnaeus) Britton, Sterns & Poggenburg. - **Atlantic White Cedar**. 2n = 22.
Swamps, wet thickets.

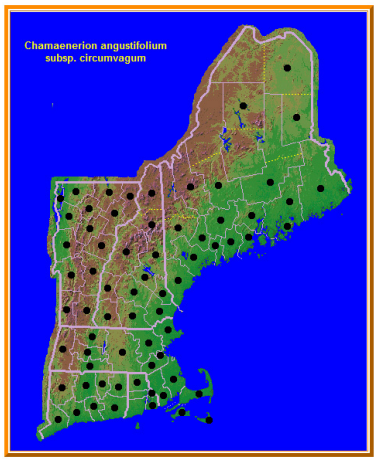
CHAMAEDAPHNE (Family: Ericaceae)

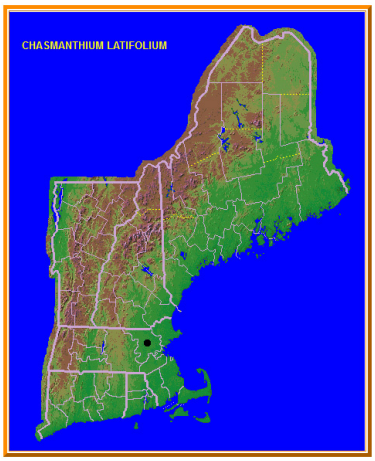
Chamaedaphne calyculata (Linnaeus) Moench - **Leatherleaf**. 2n = 22.
Peaty soil of bogs, swamps, pond margins, barrens and swales. [*C. calyculata* var. *angustifolia* (Aiton) Rehder; *C. calyculata* var. *latifolia* (Aiton) Fernald; *Cassandra calyculata* (Linnaeus) D. Don var. *angustifolia* (Aiton) A. Gray; *C. calyculata* var. *latifolia* (Aiton) F. Seymour]

CHAMAELIRIUM (Family: Melanthiaceae)

Chamaelirium luteum (Linnaeus) A. Gray - **Blazing-star**. 2n = ?
Meadows, thickets, rich woods.







CHAMAEMELUM (Family: Asteraceae)

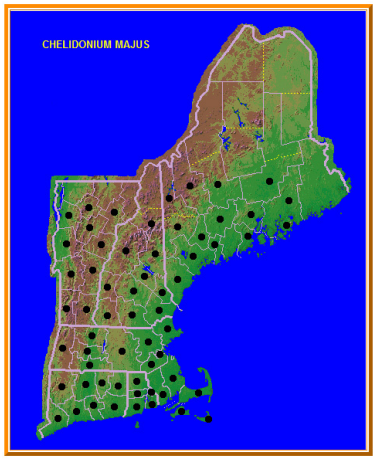
CHAMAEMELUM NOBILE (Linnaeus) Allioni - **Garden Chamomile**. 2n = 18.
Dry, oak woods, disturbed sites, roadsides. From Europe, northern Africa. [*ANTHEMIS NOBILIS* Linnaeus]

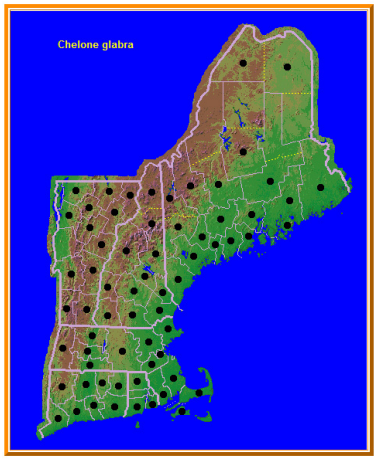
CHAMAENERION (Family: Onagraceae)

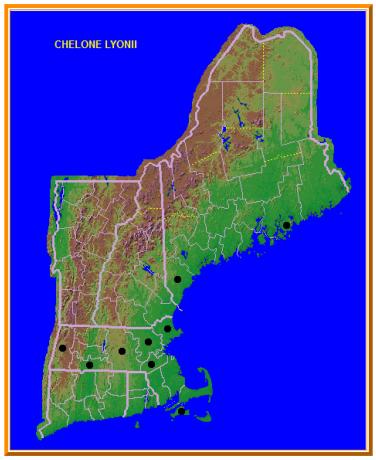
Chamaenerion angustifolium (Linnaeus) Scopoli subsp. ***circumvagum*** (Mosquin) Moldenke - **Fireweed**. 2n = 72, 108.
Burned woodlands, recent clearings, thickets, roadsides, fields. [*Chamerion angustifolium* (Linnaeus) Holub subsp. *circumvagum* (Mosquin) Hoch; *Epilobium angustifolium* Linnaeus var. *angustifolium* misapplied; *E. angustifolium* var. *canescens* Alph. Wood]

CHASMANTHIUM (Family: Poaceae)

CHASMANTHIUM LATIFOLIUM (Michaux) H.O. Yates - . 2n = (24), 48.
Trailside near shore. From farther south. [*UNIOLA LATIFOLIA* Michaux]







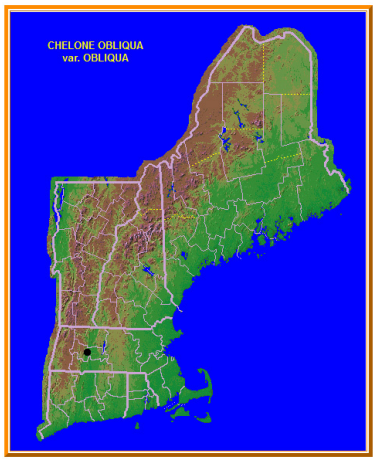
CHELIDONIUM (Family: Papaveraceae)

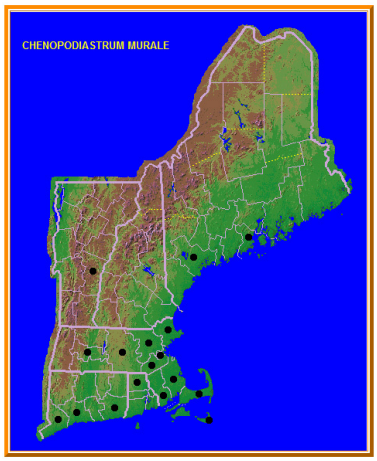
CHELIDONIUM MAJUS Linnaeus - **Celandine**. 2n = (10), 12, (36).
Damp soil about towns, roadsides, railroads, waste areas, thickets. From Eurasia. [*C. MAJUS* var. *PLENUM* H.R. Wehrhahn]

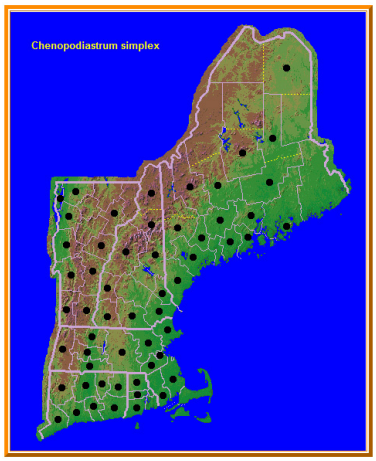
CHELONE (Family: Plantaginaceae)

Chelone glabra Linnaeus - **White Turtlehead**. 2n = 28.
Swamps, wet ditches, riverbanks, wet woods, thickets, and meadows, pond and lake shores, marshes. [*C. glabra* var. *dilatata* Fernald & Wiegand; *C. glabra* var. *elatior* Rafinesque]

CHELONE LYONII Pursh - **Pink Turtlehead**. 2n = 28.
Swamps, stream banks, marsh margins. From farther south.





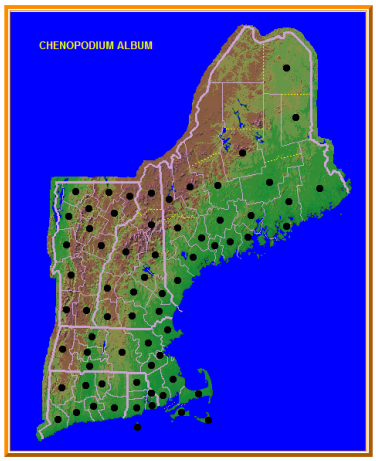


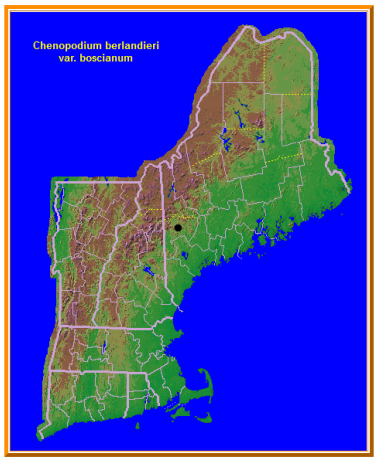
CHELONE OBLIQUA Linnaeus var. ***OBLIQUA*** - **Red Turtlehead**. 2n = 56, 84.
Wet woods. From farther south.

CHENOPODIASTRUM (Family: Amaranthaceae)

CHENOPODIASTRUM MURALE (Linnaeus) S. Fuentes, Uotila & Borsch - **Sowbane**. 2n = 18.
Waste places, roadsides. From Eurasia, northern Africa. [*CHENOPODIUM MURALE* Linnaeus]

Chenopodiastrum simplex (Torrey) S. Fuentes, Uotila & Borsch - **Maple-leaved Goosefoot**. 2n = 36.
Open, often rocky, rich woods, clearings, waste places. [*Chenopodium gigantospermum* Aellen; *C. hybridum* Linnaeus var. *gigantospermum* (Aellen) Rouleau; *C. hybridum* misapplied; *C. simplex* (Torrey) Rafinesque]



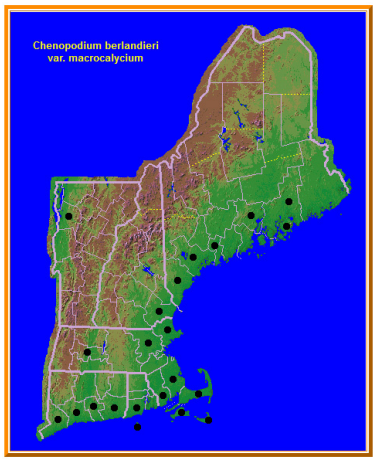


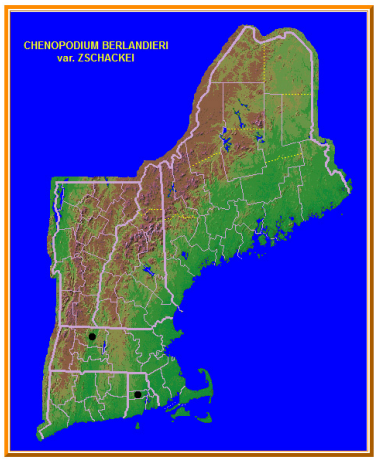
CHENOPODIUM (Family: Amaranthaceae)

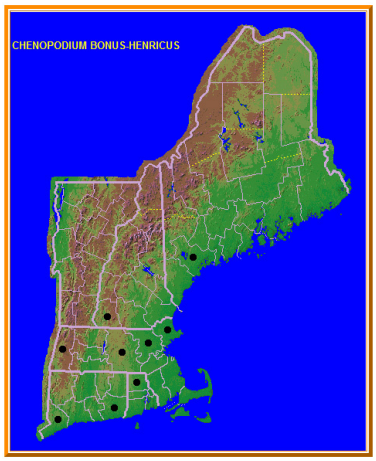
CHENOPODIUM ALBUM Linnaeus - **Lamb's-quarters**. 2n = (18), (36), 54, (108).
Waste places, roadsides. From Europe. [*C. ALBUM* var. *MISSOURIENSE* (Aellen) Bassett & Crompton; *C. LANCEOLATUM* Muhlenberg *ex* Willdenow; *C. PAGANUM* misapplied]

Chenopodium berlandieri Moquin-Tandon var. ***boscianum*** (Moquin-Tandon) Wahl - . 2n = 36.
Beaches, waste places, roadsides. [*C. boscianum* Moquin-Tandon]

Chenopodium berlandieri Moquin-Tandon var. ***bushianum*** (Aellen) Cronquist - **Village Goosefoot**. 2n = 36.
Open woods, waste places, roadsides. [*C. bushianum* Aellen; *C. paganum* misapplied]



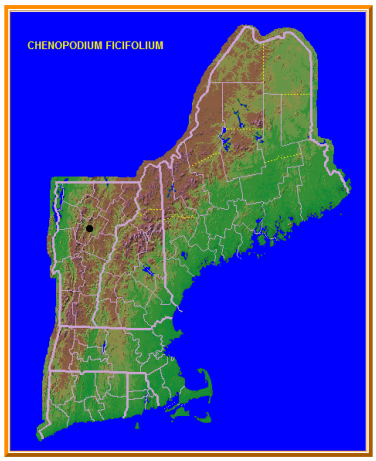


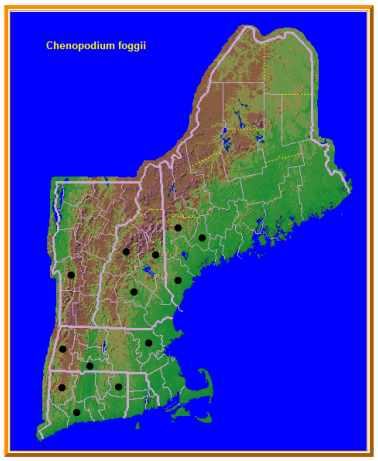


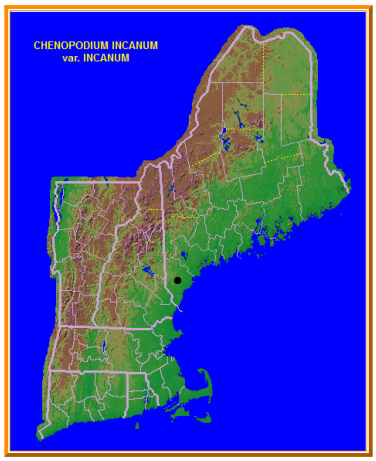
Chenopodium berlandieri Moquin-Tandon var. ***macrocalycium*** (Aellen) Cronquist - . 2n = 36.
Sea beaches. [*C. macrocalycium* Aellen]

CHENOPODIUM BERLANDIERI Moquin-Tandon var. ***ZSCHACKEI*** (Murr) Murr *ex* Graebner - . 2n = 36.
Roadsides. From farther west.

CHENOPODIUM BONUS-HENRICUS Linnaeus - **Good King Henry**. 2n = 36.
Waste places, roadsides. From Europe.



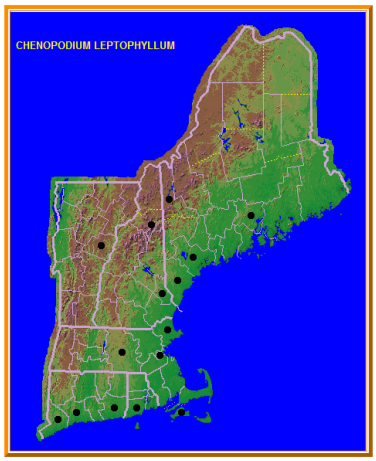


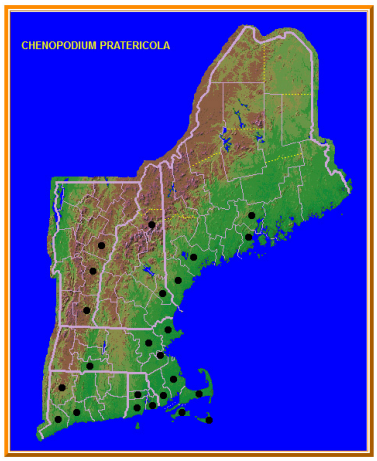


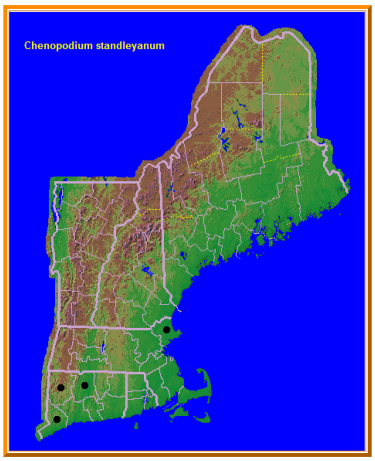
CHENOPODIUM FICIFOLIUM Smith - . 2n = 18.
Waste places, roadsides. From southern and southeastern Asia.

Chenopodium foggii Wahl - **Fogg's Goosefoot**. 2n = 18.
Rocky woods.

CHENOPODIUM INCANUM (S. Watson) A. Heller var. ***INCANUM*** - **Mealy Goosefoot**. 2n = 18.
Waste places. From farther west.



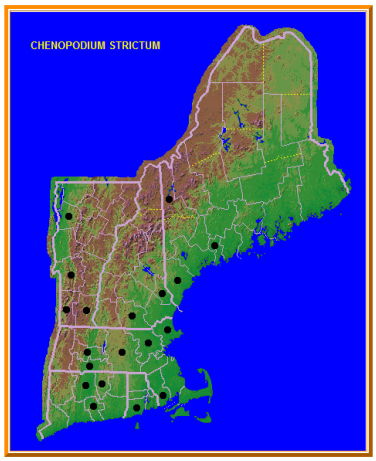


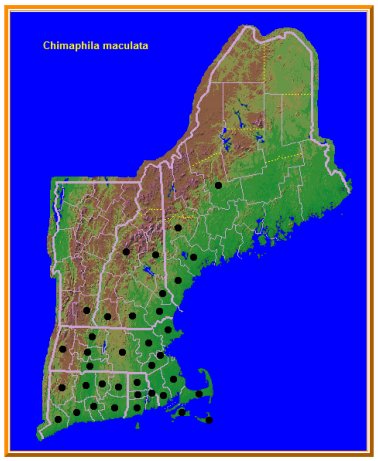


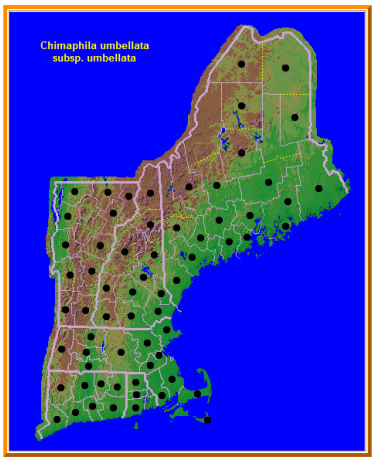
CHENOPODIUM LEPTOPHYLLUM (Moquin-Tandon) Nuttall *ex* S. Watson - . 2n = 18.
Sandy coastal areas. From farther west.

CHENOPODIUM PRATERICOLA Rydberg - **Desert Goosefoot**. 2n = 18.
Waste places, railroads. From farther west.

Chenopodium standleyanum Aellen - **Woodland Goosefoot**. 2n = 18.
Dry, often rocky woods. [*C. hybridum* Linnaeus var. *standleyanum* (Aellen) Fernald]





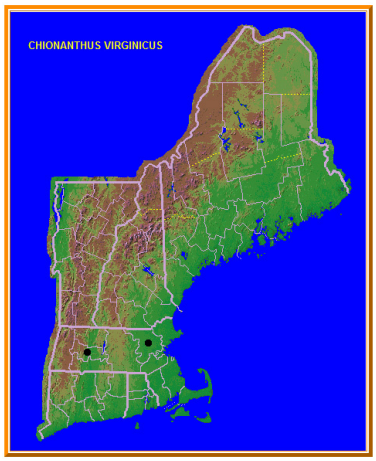


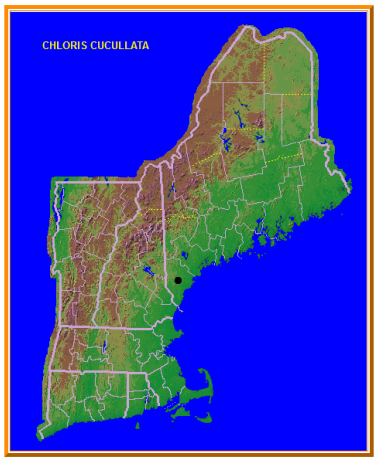
CHENOPODIUM STRICTUM Roth - **Striped Goosefoot**. 2n = (18), 36.
Weedy places. From Eurasia. [*C. STRICTUM* var. *GLAUCOPHYLLUM* (Aellen) Wahl]

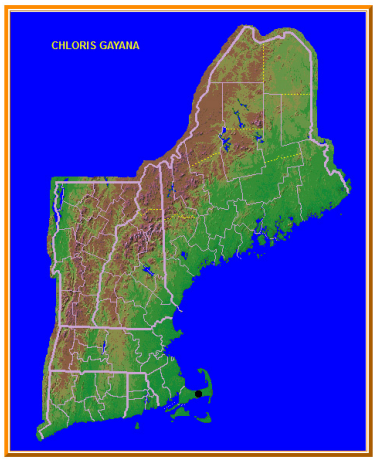
CHIMAPHILA (Family: Ericaceae)

Chimaphila maculata (Linnaeus) Pursh - **Spotted Wintergreen**. 2n = 26.
Dry woods.

Chimaphila umbellata (Linnaeus) W.P.C. Barton subsp. ***umbellata*** - **Pipsissewa**. 2n = (18), 26.
Dry woods. [*C. umbellata* var. *cisatlantica* S.F. Blake]







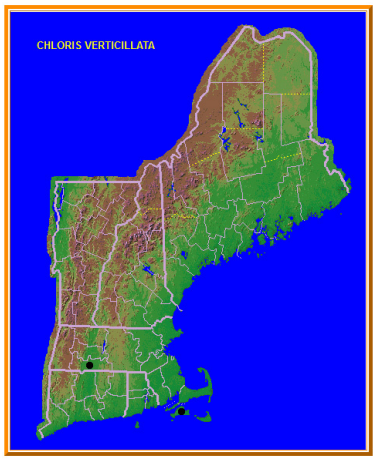
CHIONANTHUS (Family: Oleaceae)

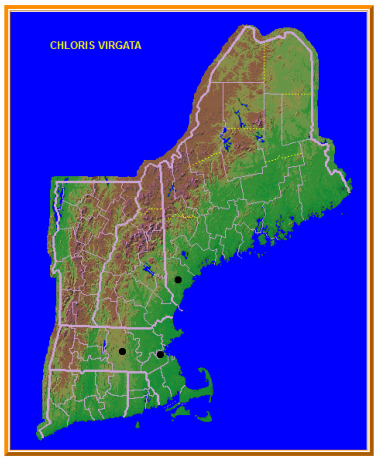
CHIONANTHUS VIRGINICUS Linnaeus - **Fringe-tree**. 2n = 46.
Roadsides, woodland margins. From farther west and south.

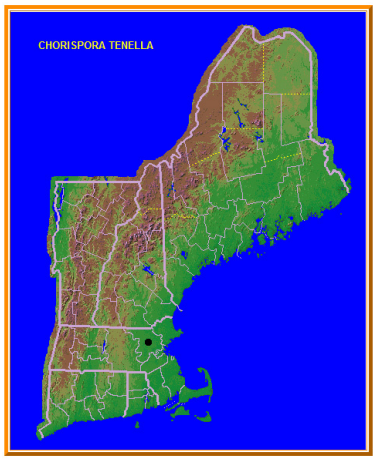
CHLORIS (Family: Poaceae)

CHLORIS CUCULLATA Bischoff - . 2n = 40.
Wool waste. From farther west.

CHLORIS GAYANA Kunth - **Rhodes Grass**. 2n = 20, (30), 40.
Fields, waste places. From Africa.





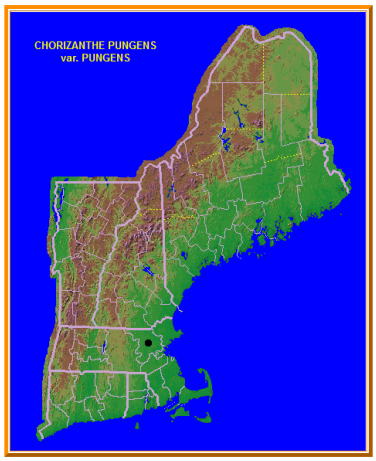


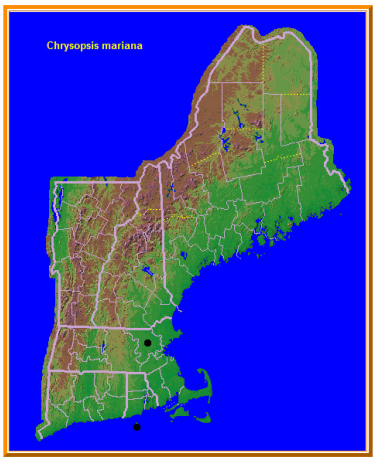
CHLORIS VERTICILLATA Nuttall - **Windmill Grass**. 2n = 40, (63).
Roadsides. From farther west.

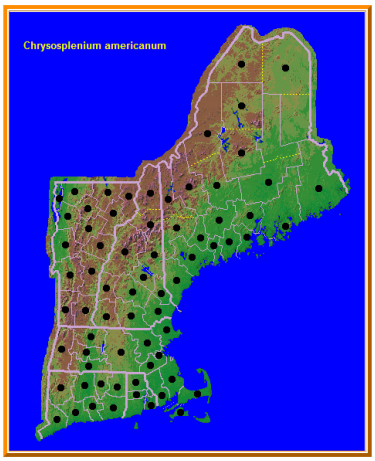
CHLORIS VIRGATA Swartz - **Feather Fingergrass**. 2n = (14), 20, (30), (36), (40).
Wool waste. From tropical America.

CHORISPORA (Family: Brassicaceae)

CHORISPORA TENELLA (Pallas) de Candolle - **Purple Mustard**. 2n = 14, (28).
Roadsides, fields, waste places. From Eurasia, northern Africa.







CHORIZANTHE (Family: Polygonaceae)

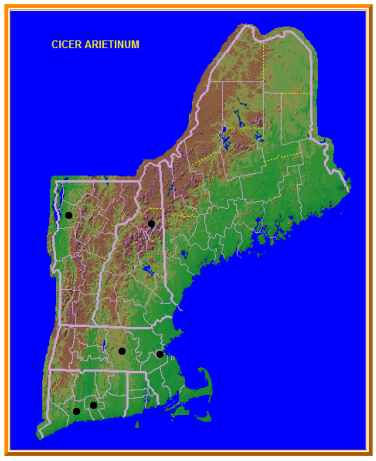
CHORIZANTHE PUNGENS Bentham var. ***PUNGENS*** - **Monterey Spineflower**. 2n = 40.
Wool waste. From California.

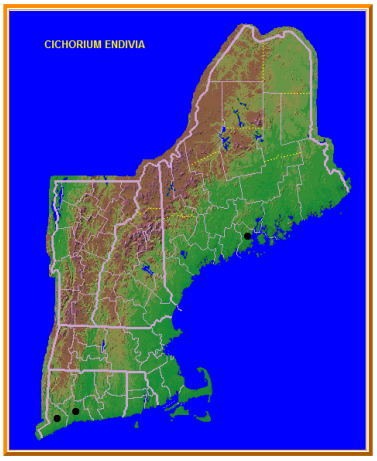
CHRYSOPSIS (Family: Asteraceae)

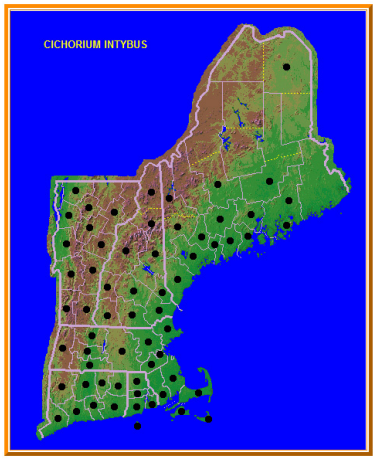
Chrysopsis mariana (Linnaeus) Elliott - **Maryland Golden-aster**. 2n = 8, 16, 18, 24, 32.
Dry, sandy fields, roadsides.

CHRYSOSPLENIUM (Family: Saxifragaceae)

Chrysosplenium americanum Schweinitz *ex* Hooker - **American Golden Saxifrage**. 2n = 18, 24.
Springs, swampy woods, cold, wet places.







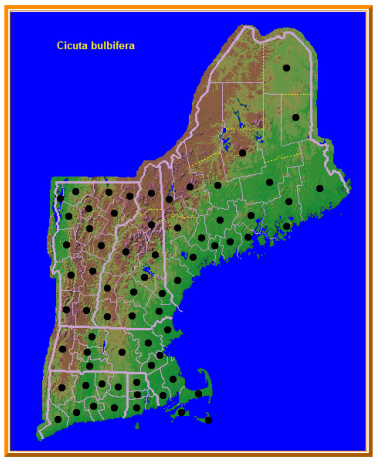
CICER (Family: Fabaceae)

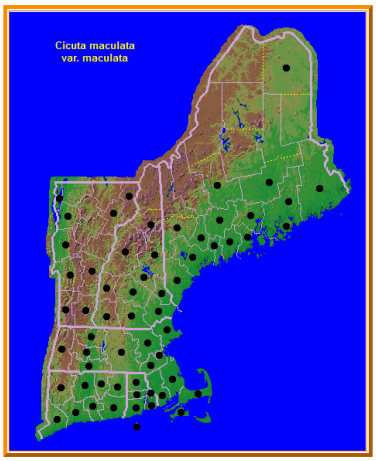
CICER ARIETINUM Linnaeus - **Chick-pea**. 2n = (14), 16, (24), (32), (33).
Waste places. From Turkey (and long in cultivation).

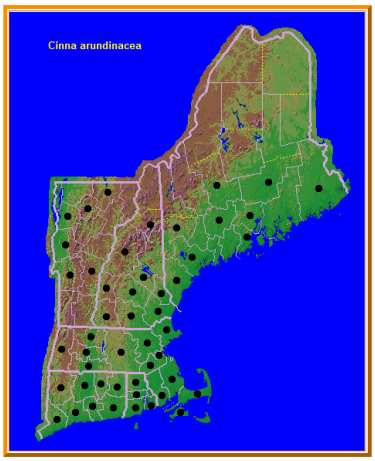
CICHORIUM (Family: Asteraceae)

CICHORIUM ENDIVIA Linnaeus - **Endive**. 2n = 18, (36).
Waste places. From Eurasia, northern Africa.

CICHORIUM INTYBUS Linnaeus - **Common Chicory**. 2n = (16), 18, (20).
Fields, roadsides. From Eurasia, northern Africa.







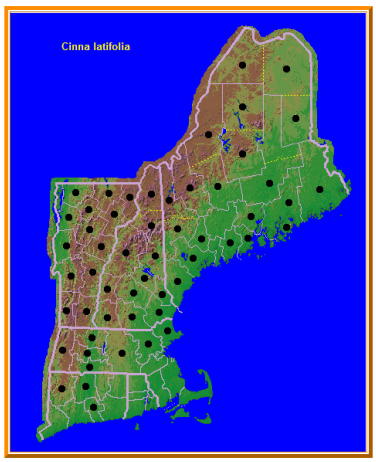
CICUTA (Family: Apiaceae)

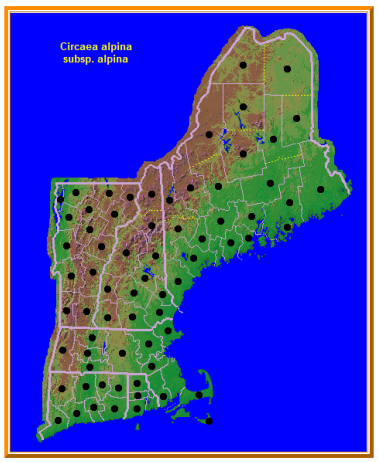
Cicuta bulbifera Linnaeus - . 2n = 22.
Swamps, marshes, shores, wet thickets.

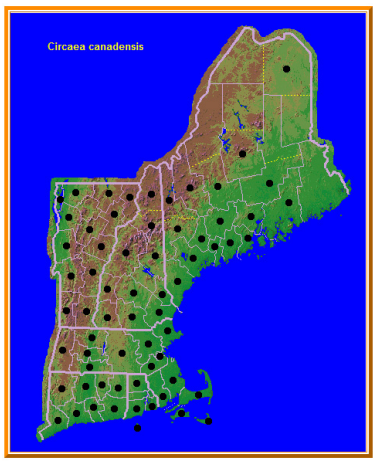
Cicuta maculata Linnaeus var. ***maculata*** - **Spotted Cowbane**. 2n = 22.
Swamps, marshes, shores, meadows, low thickets, ditches.

CINNA (Family: Poaceae)

Cinna arundinacea Linnaeus - **Common Woodreed**. 2n = 28, 40.
Wet woods, swamps.





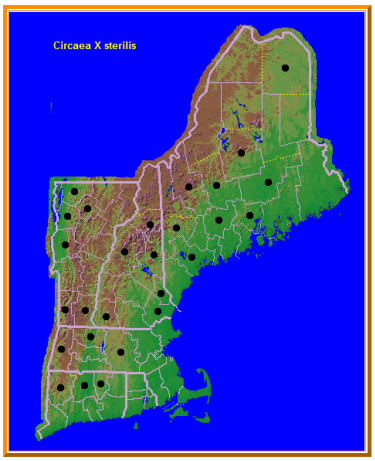


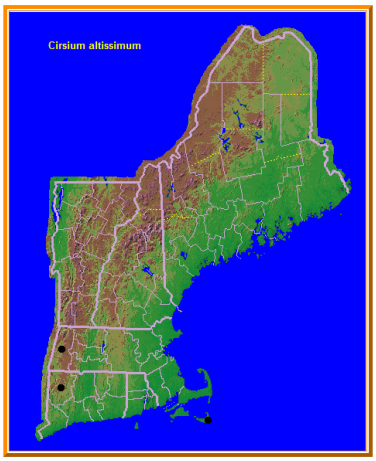
Cinna latifolia (Treviranus *ex* Göppert) Grisebach - **Drooping Woodreed**. 2n = 28, (56).
Wet woods, thickets, recent clearings.

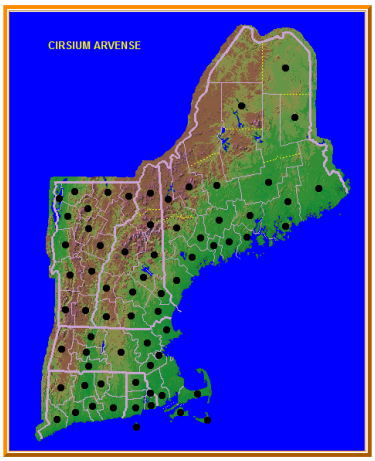
CIRCAEA (Family: Onagraceae)

Circaea alpina Linnaeus subsp. ***alpina*** - **Smaller Enchanter's Nightshade**. 2n = 22.
Swampy or springy woodlands, streambanks.

Circaea canadensis (Linnaeus) Hill - **Common Enchanter's Nightshade**. 2n = 22.
Rich, moist woodlands. [*C. lutetiana* Linnaeus var. *canadensis* Linnaeus; *C. quadrisulcata* (Maximowicz) Franchet & Savatier var. *canadensis* (Linnaeus) H. Hara]







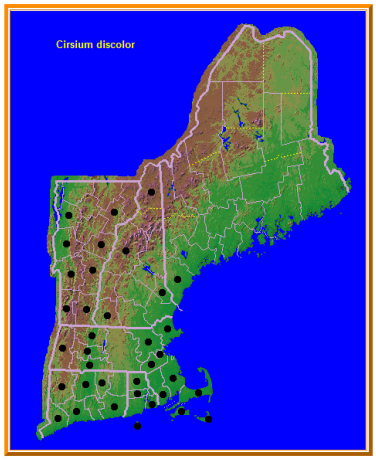
***Circaea* hybrid**

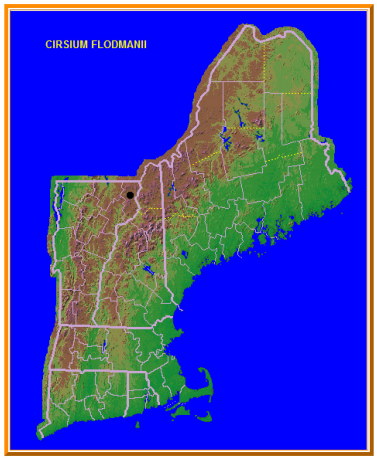
Circaea X ***sterilis*** Boufford - .
[*C. alpina* Linnaeus X *C. canadensis* (Linnaeus) Hill; *C. intermedia* misapplied]

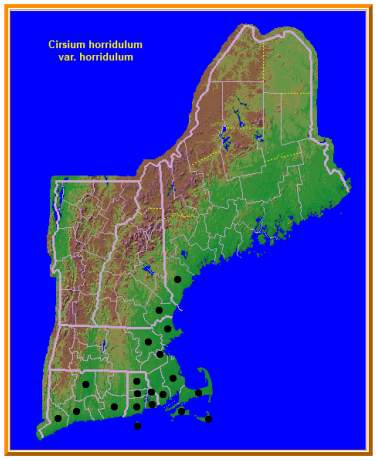
CIRSIUM (Family: Asteraceae)

Cirsium altissimum (Linnaeus) Sprengel - **Roadside Thistle**. 2n = 18, (19), (20).
Fields, thickets.

CIRSIUM ARVENSE (Linnaeus) Scopoli - **Canada Thistle**. 2n = 34, (36), (40), (51), (68).
Fields, roadsides, waste places. From Eurasia. [*C. ARVENSE* var. *INTEGRIFOLIUM* Wimmer & Grabowski; *C. ARVENSE* var. *MITE* Wimmer & Grabowski; *C. ARVENSE* var. *VESTITUM* Wimmer & Grabowski]



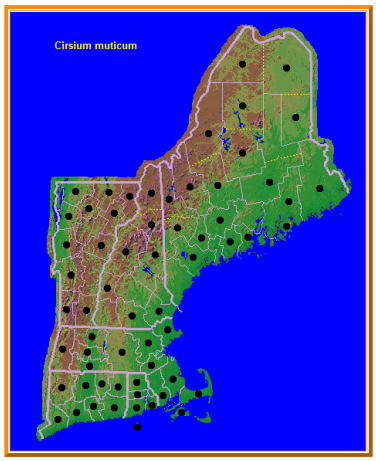


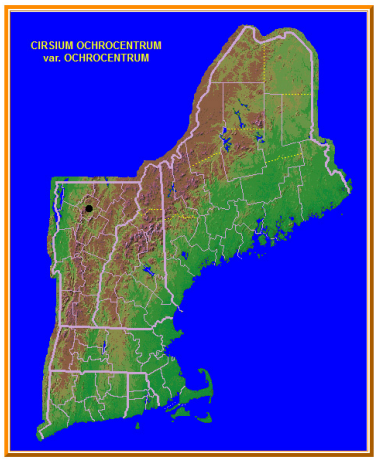


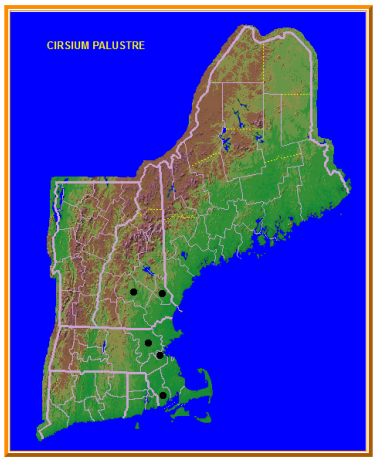
Cirsium discolor (Muhlenberg *ex* Willdenow) Sprengel - **Field Thistle**. 2n = 20, (21), (23).
Moist thickets, damp woods, shores, meadows.

CIRSIUM FLODMANII (Rydberg) Arthur - . 2n = 22, 24.
Dry pastures. From farther west.

Cirsium horridulum Michaux var. ***horridulum*** - **Yellow Thistle**. 2n = (31), 32, 34.
Fields, meadows, shores, roadsides, wood borders, usually in wet and often saline soil.



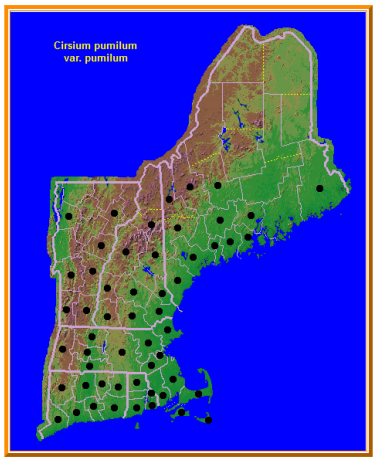


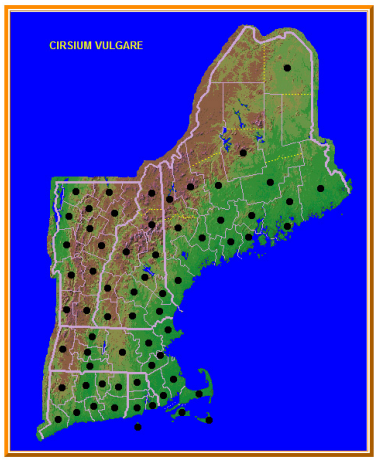


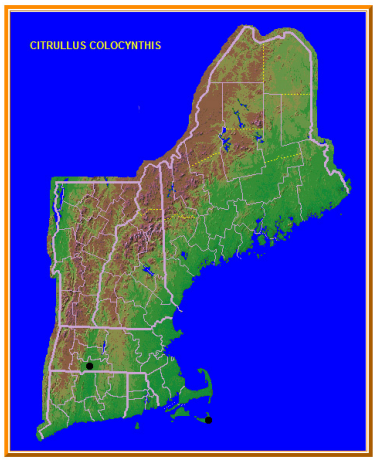
Cirsium muticum Michaux - **Swamp Thistle**. 2n = 20, 21, 22, 23, 30, 31.
Swamps, wet thickets, low, wet woods.

CIRSIUM OCHROCENTRUM A. Gray var. ***OCHROCENTRUM*** - . 2n = 30, 31, 32, 34.
Pastures. From farther west.

CIRSIUM PALUSTRE (Linnaeus) Scopoli - . 2n = 34.
Waste places. From Europe.





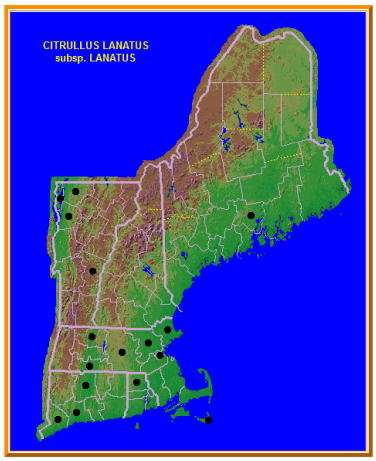


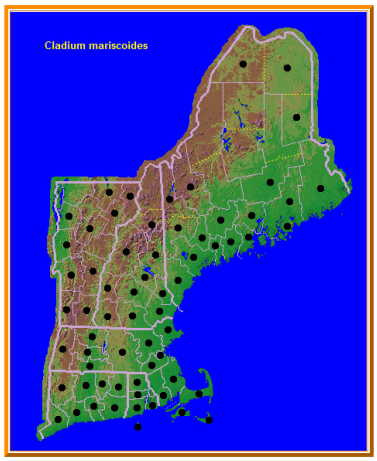
Cirsium pumilum Sprengel var. ***pumilum*** - **Pasture Thistle**. 2n = 30, (31), (32).
Fields, roadsides, dry, open soil.

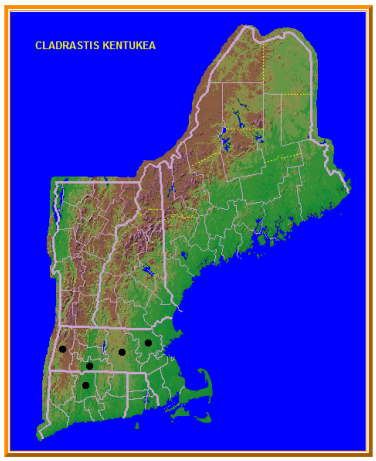
CIRSIUM VULGARE (Savi) Tenore - **Bull Thistle**. 2n = (34), (ca. 60), 68, (102).
Fields, roadsides, waste places. From Eurasia, northern Africa.

CITRULLUS (Family: Cucurbitaceae)

CITRULLUS COLOCYNTHIS (Linnaeus) Schrader - **Vine-of-Sodom**. 2n = 22, (44).
Open, disturbed areas, sandy beaches. From the Mediterranean region, southwestern Asia.







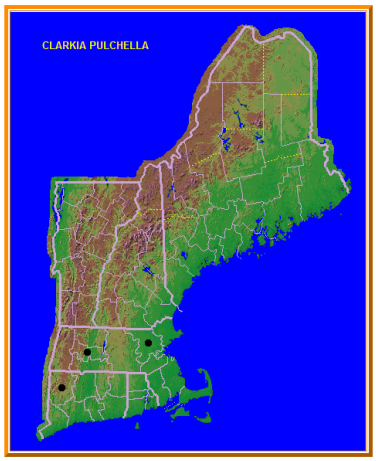
CITRULLUS LANATUS (Thunberg) Matsumura & Nakai subsp. ***LANATUS*** - **Watermelon**. 2n = 22, (44).
Waste places, freshwater shores. From southern Africa, most likely. [*C. VULGARIS* Schrader]

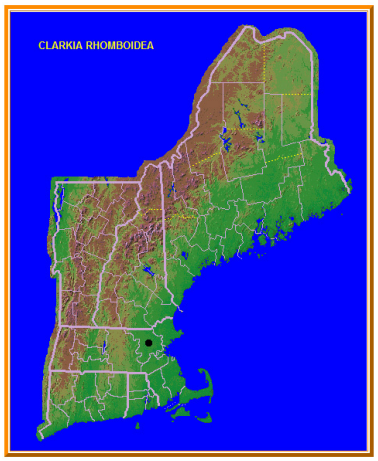
CLADIUM (Family: Cyperaceae)

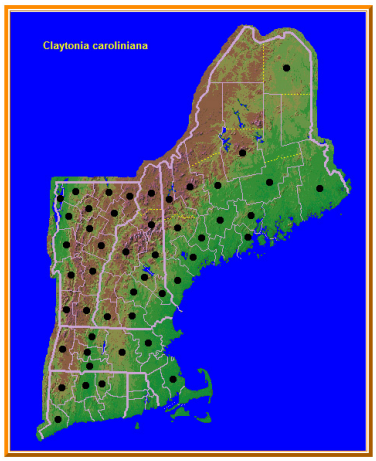
Cladium mariscoides (Muhlenberg) Torrey - . 2n = 78.
Pond shores.

CLADRASTIS (Family: Fabaceae)

CLADRASTIS KENTUKEA (Dumont de Courset) Rudd - **American Yellowwood**. 2n = 28.
Rich woods, near parks or cemeteries. From farther south and west. [*C. LUTEA* (F. Michaux) K. Koch]







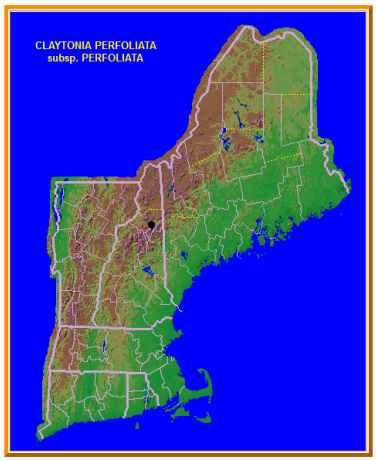
CLARKIA (Family: Onagraceae)

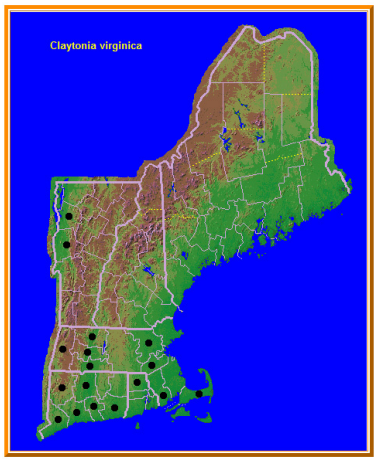
CLARKIA PULCHELLA Pursh - . 2n = 24.
Fields, meadows, waste places. From northwestern United States.

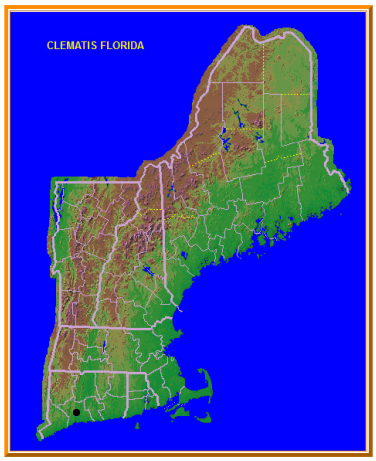
CLARKIA RHOMBOIDEA Douglas - . 2n = 24.
Wool waste. From western United States.

CLAYTONIA (Family: Portulacaceae)

Claytonia caroliniana Michaux - **Broad-leaved Spring-beauty**. 2n = 16, (17), (18), (24), (25), (26), (27), (36), (38).
Rich woods.





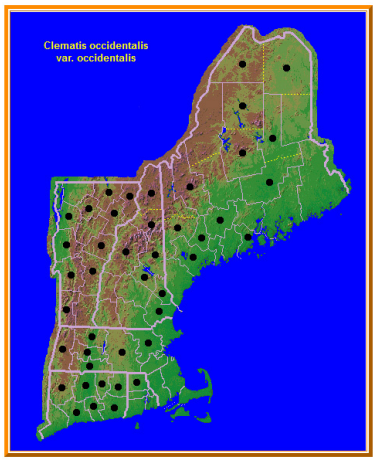


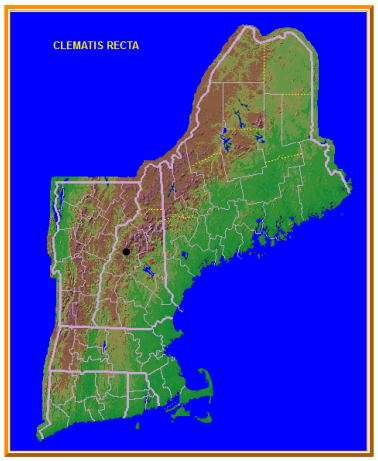
CLAYTONIA PERFOLIATA Donn *ex* Willdenow subsp. ***PERFOLIATA*** - **Miner's-lettuce**. 2n = 12, 24, 36, 48, 60, 120.
Roadsides. From western North America. [*MONTIA PERFOLIATA* (Donn *ex* Willdenow) Howell]

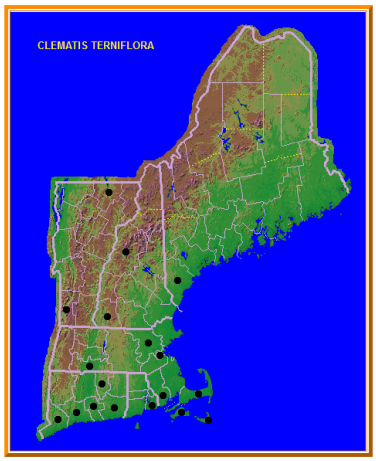
Claytonia virginica Linnaeus - **Eastern Spring-beauty**. 2n = 12, 14-20, 22-30, 32, 34, 36-37, 48, 50, 58, 60, 64, 72, 85-87, 91, 93-94, ca. 96, 98, 102-105, 110, 121, 173, 177, ca. 191.
Rich, damp woods.

CLEMATIS (Family: Ranunculaceae)

CLEMATIS FLORIDA Thunberg - . 2n = 16.
Streamside woodlands. From China.



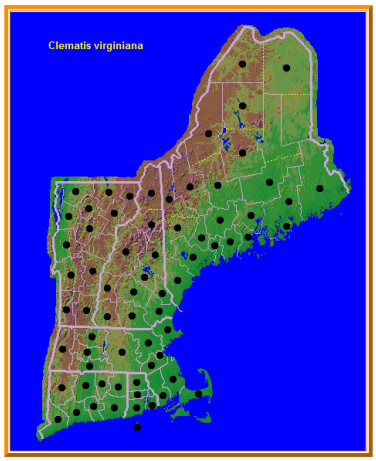


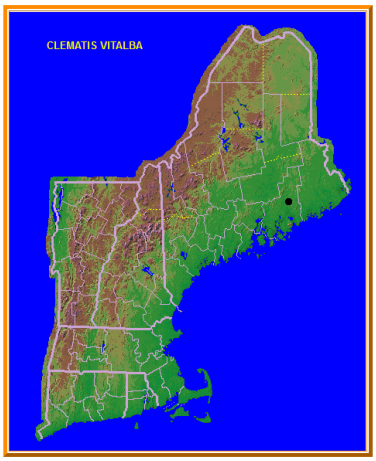


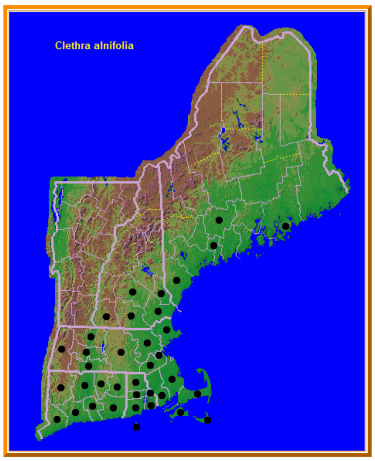
Clematis occidentalis (Hornemann) de Candolle var. ***occidentalis*** - **Purple Clematis**. 2n = 16.
Rocky, often calcareous, slopes and woods. [*C. verticillaris* de Candolle]

CLEMATIS RECTA Linnaeus - **Ground Clematis**. 2n = 16.
Rock walls. From Eurasia.

CLEMATIS TERNIFLORA de Candolle - **Sweet Autumn Clematis**. 2n = 16, 32, 36, 42, 48, 50, 64.
Roadsides, thickets. From eastern Asia. [*C. DIOSCOREIFOLIA* H. Léveillé & Vaniot; *C. DIOSCOREIFOLIA* var. *ROBUSTA* (Carrière) Rehder]





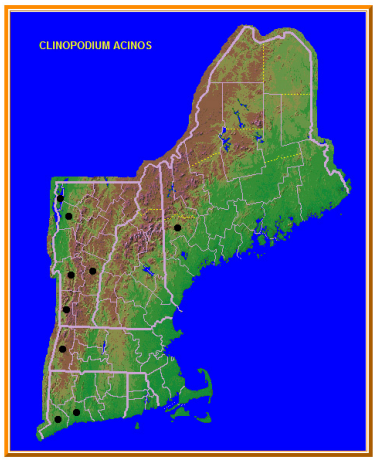


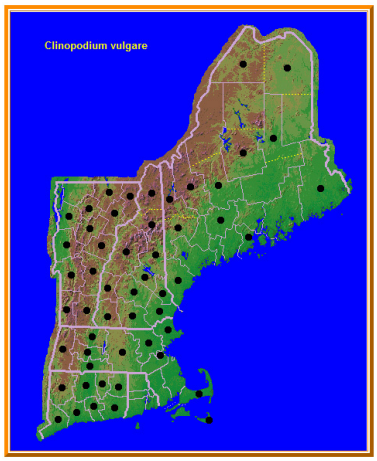
Clematis virginiana Linnaeus - **Virgin's-bower**. 2n = 16.
Moist thickets, low, moist, open ground, often disturbed.

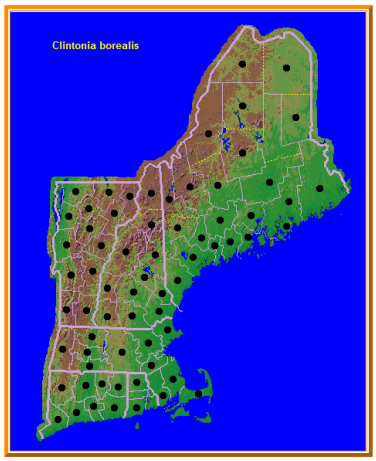
CLEMATIS VITALBA Linnaeus - **Old Man's Beard**. 2n = 16.
Roadsides. From Eurasia, northern Africa.

CLETHRA (Family: Clethraceae)

Clethra alnifolia Linnaeus - **Sweet Pepperbush**. 2n = (16), 32.
Swamps, swampy thickets, damp, sandy woods.







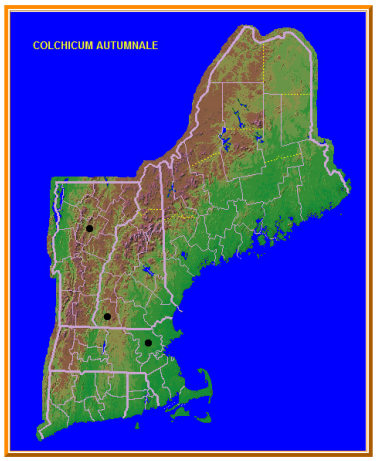
CLINOPODIUM (Family: Lamiaceae)

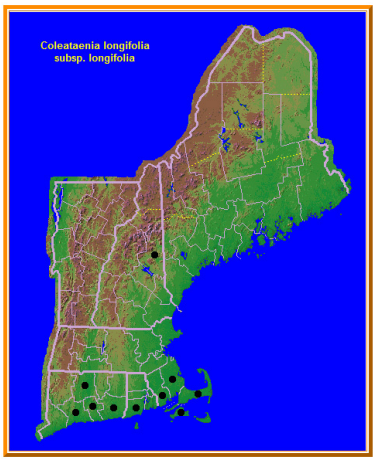
CLINOPODIUM ACINOS (Linnaeus) Kuntze - **Mother-of-Thyme**. 2n = 18.
Fields, roadsides, railroads, waste places, often in rocky sites. From Eurasia. [*Satureja acinos* (Linnaeus) Scheele]

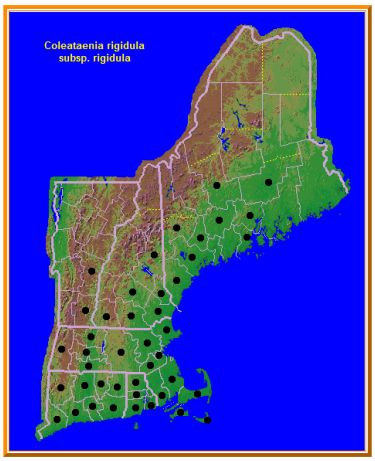
Clinopodium vulgare Linnaeus - **Wild Basil**. 2n = 20, (36), (40).
Thickets, woodlands, clearings, fields, roadsides, ledges. [*Satureja vulgaris* (Linnaeus) Fritsch var. *neogaea* Fernald]

CLINTONIA (Family: Liliaceae)

Clintonia borealis (Aiton) Rafinesque - **Yellow Clintonia**. 2n = 28, (32).
Woods, usually moist, thickets.







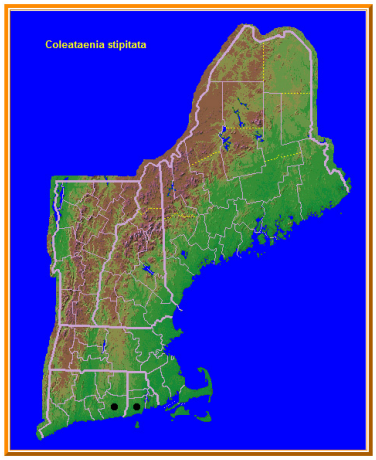
COLCHICUM (Family: Colchicaceae)

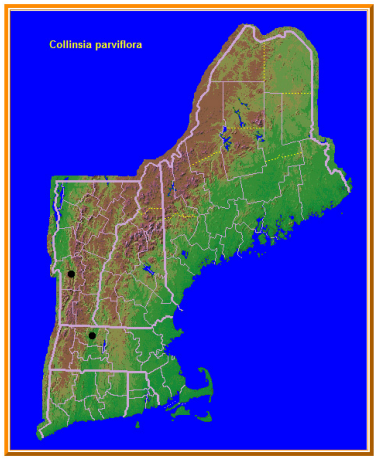
COLCHICUM AUTUMNALE Linnaeus - **Autumn Crocus**. 2n = (24), (34), 36, 38, (42).
Meadows, fields. From Europe.

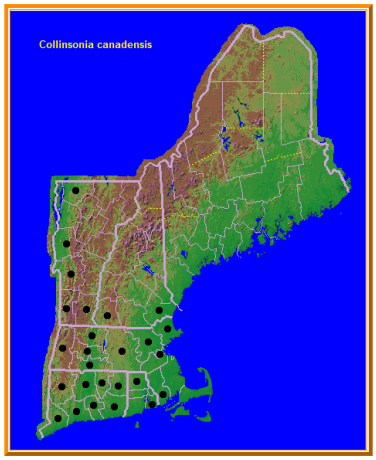
COLEATAENIA (Family: Poaceae)

Coleataenia longifolia (Torrey) Soreng subsp. ***longifolia*** - . 2n = ?
Shores, meadows, bogs. [*Panicum longifolium* Torrey; *P. rigidulum* Bosc *ex* Nees var. *pubescens* (Vasey) Lelong]

Coleataenia rigidula (Bosc *ex* Nees) LeBlond subsp. ***rigidula*** - . 2n = ?
Shores, meadows. [*P. agrostoides* misapplied; *Panicum rigidulum* Bosc *ex* Nees var. *rigidulum*]







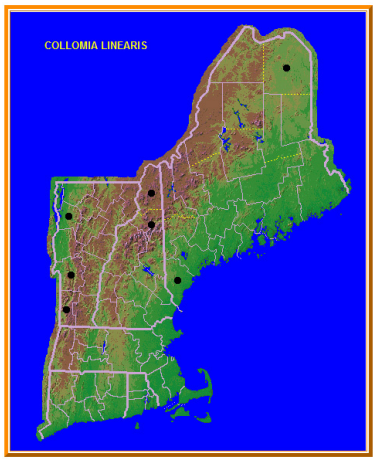
Coleataenia stipitata (Nash) LeBlond - . 2n = ?
Swamps, shores, meadows. [*Panicum rigidulum* Bosc *ex* Nees var. *elongatum* (Scribner) Lelong; *P. stipitatum* Nash]

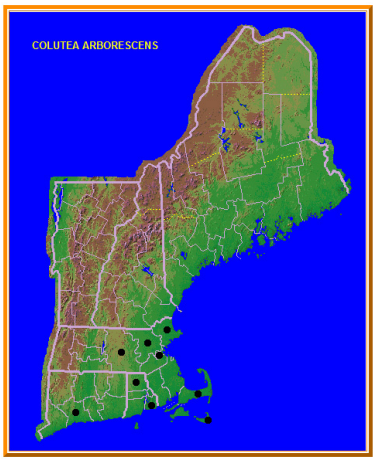
COLLINSIA (Family: Plantaginaceae)

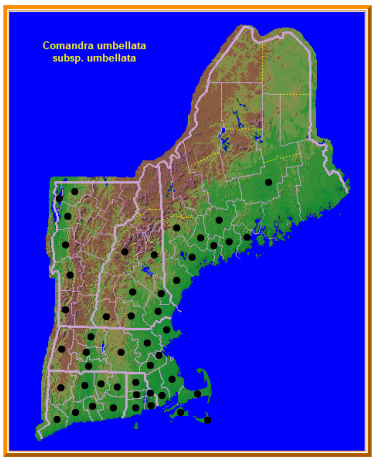
Collinsia parviflora Lindley - . 2n = 14, 28.
Base of slate cliff in dry ground.

COLLINSONIA (Family: Lamiaceae)

Collinsonia canadensis Linnaeus - **Richweed**. 2n = 50, 52.
Rich, moist woodlands.







COLLOMIA (Family: Polemoniaceae)

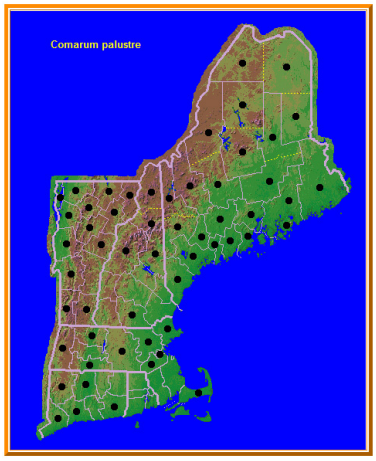
COLLOMIA LINEARIS Nuttall - . 2n = 16.
Railroads, meadows, waste places, wool waste. From farther west.

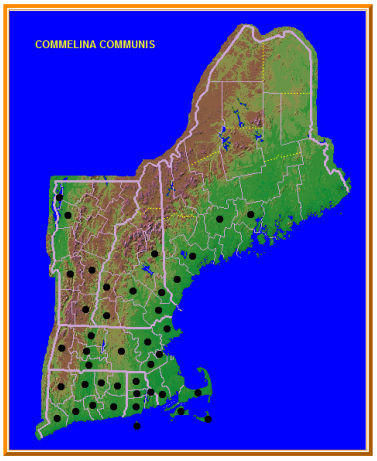
COLUTEA (Family: Fabaceae)

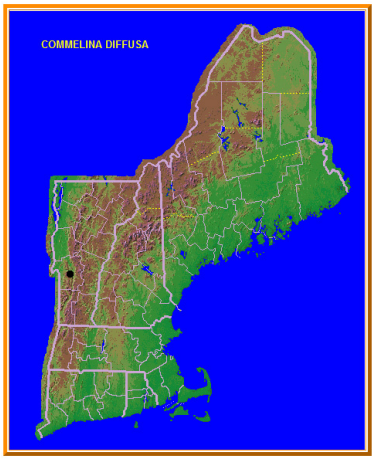
COLUTEA ARBORESCENS Linnaeus - **Bladder-senna**. 2n = (12), 16.
Roadsides, railroads, waste areas, hillsides. From Europe, northern Africa.

COMANDRA (Family: Santalaceae)

Comandra umbellata (Linnaeus) Nuttall subsp. ***umbellata*** - **Bastard Toadflax**. 2n = 26, 28.
Dry, usually sterile, open woodlands and clearings. [*C. richardsiana* Fernald]







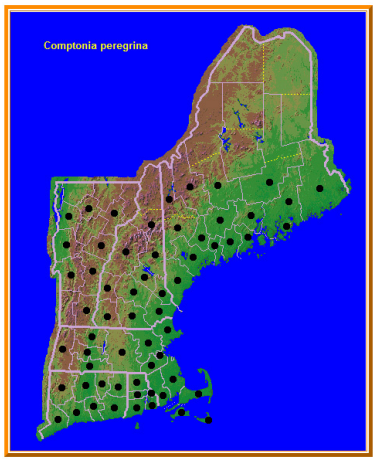
COMARUM (Family: Rosaceae)

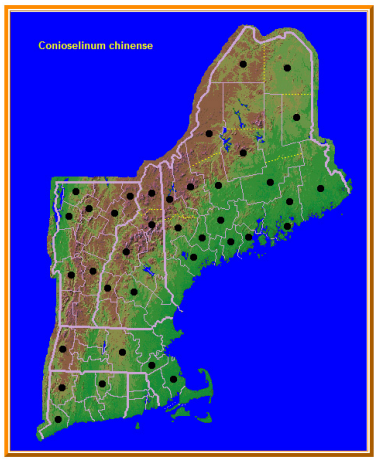
Comarum palustre Linnaeus - **Marsh Cinquefoil**. 2n = (28), (35), (40), 42, (64).
Pond and lake shores, meadows, marshes, bogs, swamps. [*Potentilla palustris* (Linnaeus) Scopoli var. *palustris*; *P. palustris* var. *villosa* (Persoon) Lehmann]

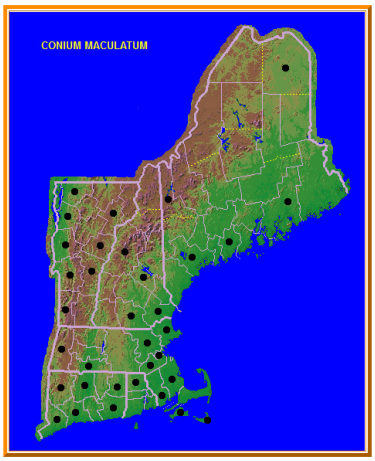
COMMELINA (Family: Commelinaceae)

COMMELINA COMMUNIS Linnaeus - **Asiatic Dayflower**. 2n = 16, 22, 28, 32, 36, 40, 44, 48, 62, 84, 86, 88, 90.
Waste places, roadsides, disturbed moist soil in shade. From eastern Asia. [*C. COMMUNIS* var. *LUDENS* (Miquel) C.B. Clarke]

COMMELINA DIFFUSA Burman (son) - **Creeping Dayflower**. 2n = (18), (28), 30, (42), (56), (58), (60), (72), (90).
Waste places. From the Old World.







COMPTONIA (Family: Myricaceae)

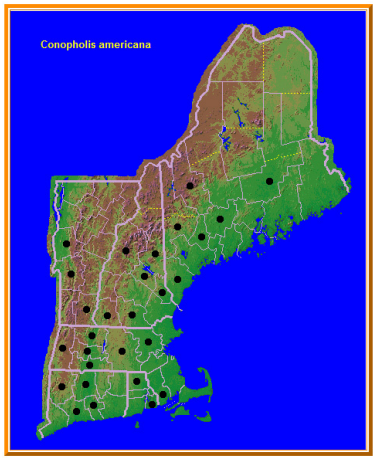
Comptonia peregrina (Linnaeus) J.M. Coulter - **Sweet-fern**. 2n = 32.
Dry, sterile fields, clearings, open woods, usually in acidic, sandy or rocky soil.

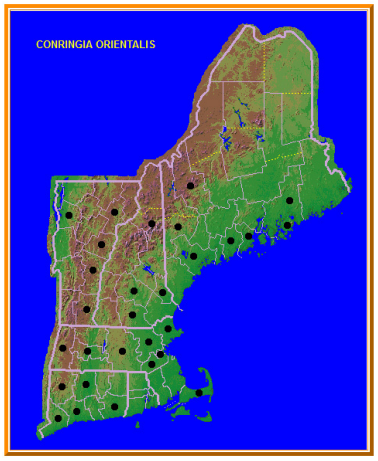
CONIOSELINUM (Family: Apiaceae)

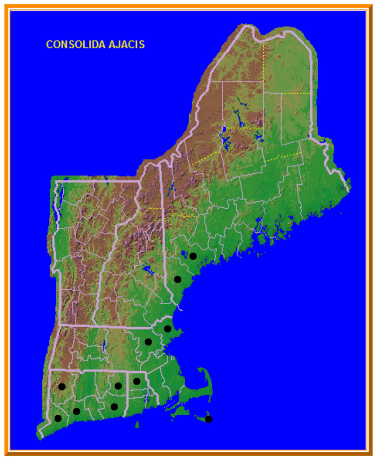
Conioselinum chinense (Linnaeus) Britton, Sterns, & Poggenburg - **Hemlock-parsley**. 2n = 44.
River shores, swamps, wet woodlands, meadows, damp thickets.

CONIUM (Family: Apiaceae)

CONIUM MACULATUM Linnaeus - **Poison Hemlock**. 2n = (16), 22.
Waste places, roadsides. From Eurasia, northern Africa.







CONOPHOLIS (Family: Orobanchaceae)

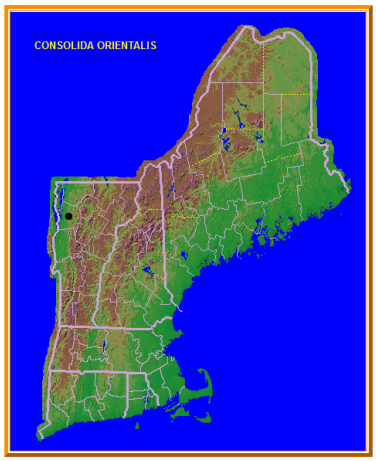
Conopholis americana (Fernald) (Linnaeus) Wallroth - **Squawroot**. 2n = 40.
Rich woods, mostly under oaks, parasitic on tree roots.

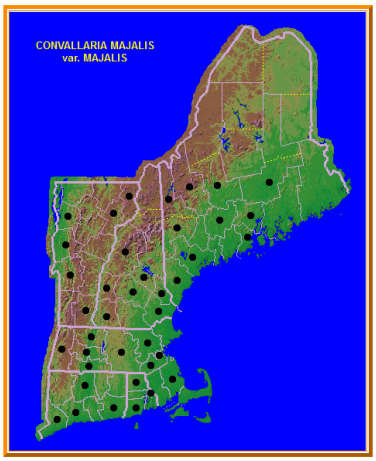
CONRINGIA (Family: Brassicaceae)

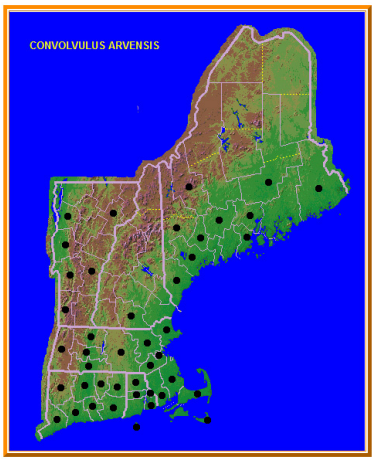
CONRINGIA ORIENTALIS (Linnaeus) C. Presl - **Hare's-ear Mustard**. 2n = 14, (28).
Roadsides, fields, waste places. From Eurasia.

CONSOLIDA (Family: Ranunculaceae)

CONSOLIDA AJACIS (Linnaeus) Schur - **Rocket Larkspur**. 2n = 16, (24), (26).
Rubbish heaps, waste ground, old fields. From Europe and Africa. [*C. ambigua* misapplied; *Delphinium ajacis* Linnaeus]







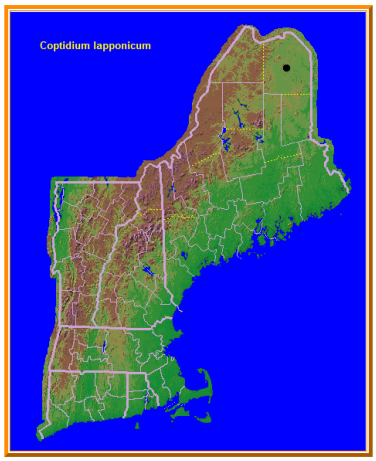
CONSOLIDA ORIENTALIS Schrödinger - **Eastern Larkspur**. 2n = 16.
Roadsides. From Eurasia and Africa.

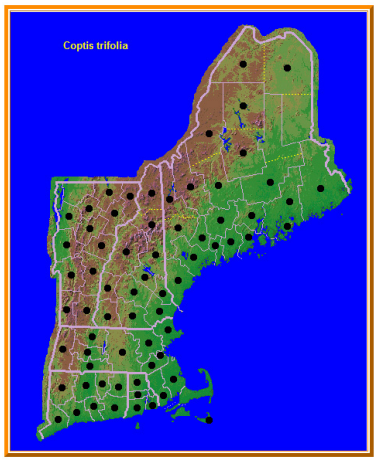
CONVALLARIA (Family: Asparagaceae)

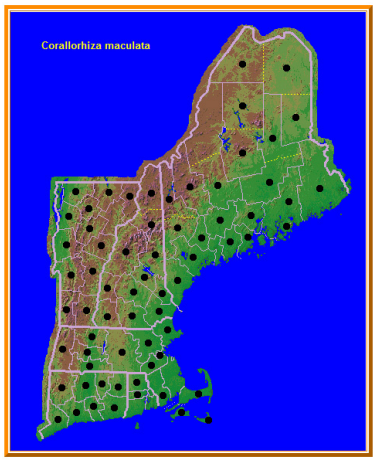
CONVALLARIA MAJALIS Linnaeus var. ***MAJALIS*** - **European Lily-of-the-Valley**. 2n = (32), (36), 38.
Roadsides, old house sites, thickets, open woods. From Europe.

CONVOLVULUS (Family: Convolvulaceae)

CONVOLVULUS ARVENSIS Linnaeus - **Field Bindweed**. 2n = (24), (32), 48, 50, (78).
Fields, roadsides, waste places. From Eurasia, northern Africa.







COPTIDIUM (Family: Ranunculaceae)

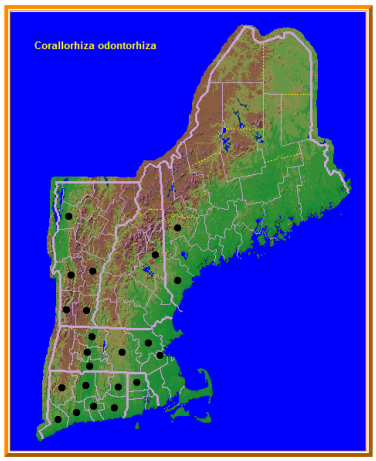
Coptidium lapponicum (Linnaeus) Gandoger *ex* Rydberg - **Lapland Buttercup**. 2n = 16.
Wet moss, wet woods. [*Ranunculus lapponicus* Linnaeus]

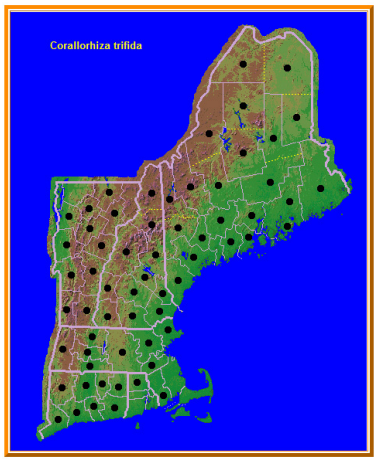
COPTIS (Family: Ranunculaceae)

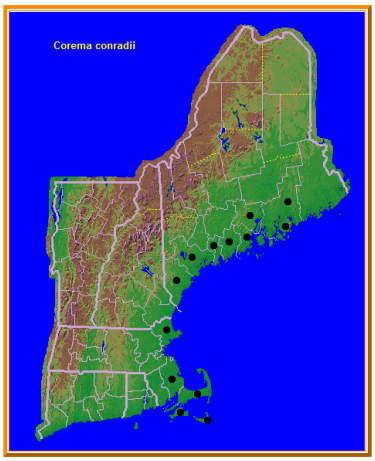
Coptis trifolia (Linnaeus) Salisbury - **Goldthread**. 2n = 18.
Mossy woods, swamps. [*C. groenlandica* (Oeder) Fernald]

CORALLORHIZA (Family: Orchidaceae)

Corallorhiza maculata (Rafinesque) Rafinesque - **Spotted Coral-root**. 2n = 42.
Dry to moist woods.





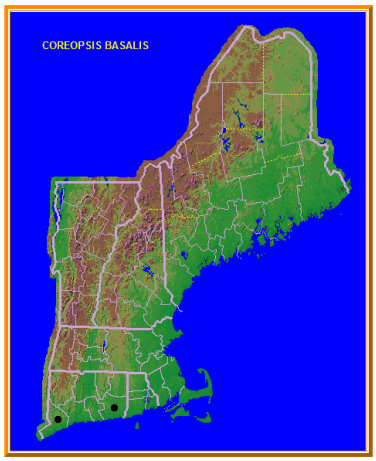


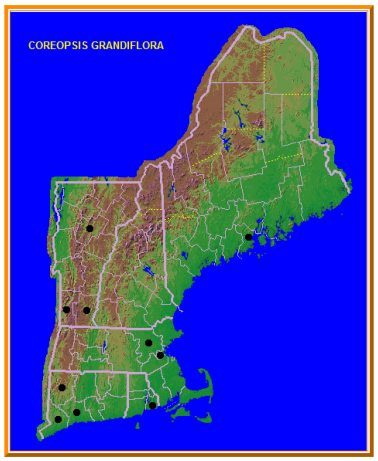
Corallorhiza odontorhiza (Willdenow) Poiret - **Autumn Coral-root**. 2n = ?
Rich, dry woods, in basic soil.

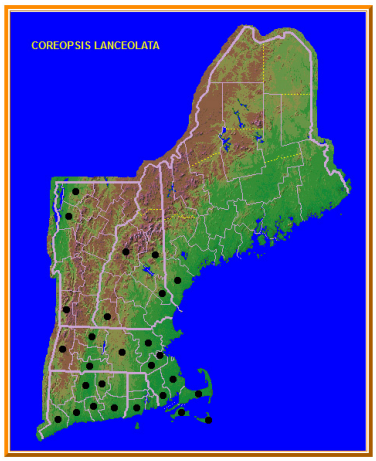
Corallorhiza trifida Châtelain - **Early Coral-root**. 2n = (38), (40), 42, (48).
Rich, wet woods, swamps with *Thuja*. [*C. trifida* var. *verna* (Nuttall) Fernald]

COREMA (Family: Ericaceae)

Corema conradii (Torrey) Torrey - **Broom-crowberry**. 2n = 26.
Coastal, sandy or rocky soils, pine barrens, exposed, rocky ledges.





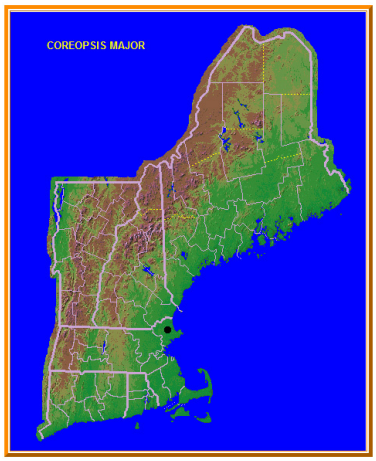


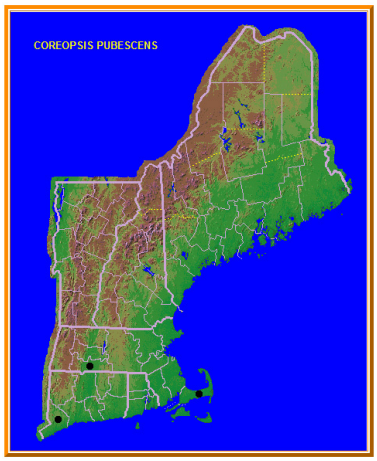
COREOPSIS (Family: Asteraceae)

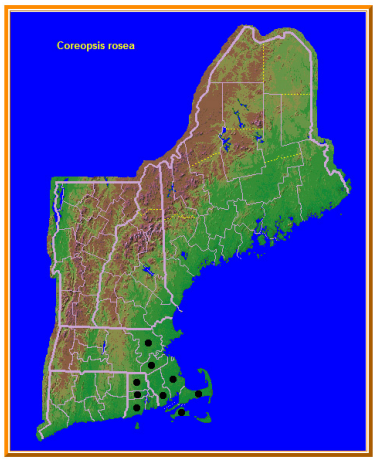
COREOPSIS BASALIS (A. Dietrich) S.F. Blake - . 2n = (20), (22), (24), 26.
Roadsides, waste places. From farther south. [*C. DRUMMONDII* Torrey & A. Gray]

COREOPSIS GRANDIFLORA Hogg *ex* Sweet - . 2n = 20, 24, 26, 28, 78.
Fields, roadsides, waste places. From farther south and west. [*C. GRANDIFLORA* var. *HARVEYANA* (A. Gray) Sherff]

COREOPSIS LANCEOLATA Linnaeus - **Sand Coreopsis**. 2n = (20), (24), 26, (30), (48).
Dry, sandy fields, roadsides. From farther south and west. [*C. LANCEOLATA* var. *VILLOSA* Michaux]



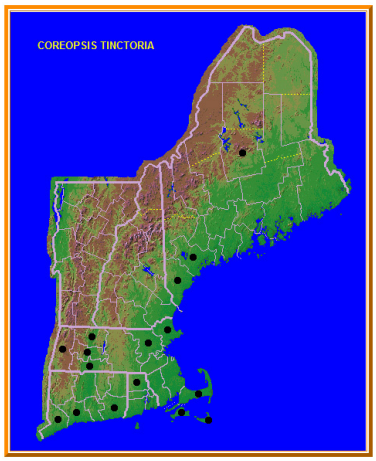


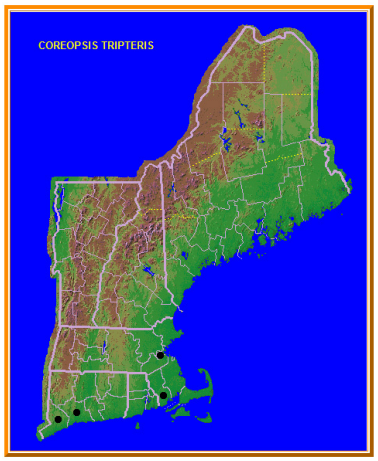


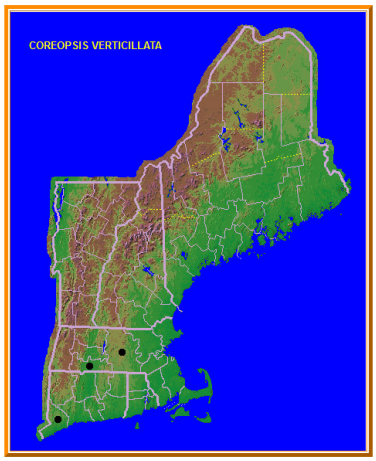
COREOPSIS MAJOR Walter - **Wood Tickseed**. 2n = (ca. 24), 26, (78), (104).
Waste places. From farther south. [*C. MAJOR* var. *STELLATA* (Nuttall) B.L. Robinson]

COREOPSIS PUBESCENS Elliott - **Star Tickseed**. 2n = 26, (28).
Fields, waste places. From farther south. [*C. PUBESCENS* var. *ROBUSTA* A. Gray *ex* Eames]

Coreopsis rosea Nuttall - **Pink Tickseed**. 2n = 26.
Sandy, pond shores.



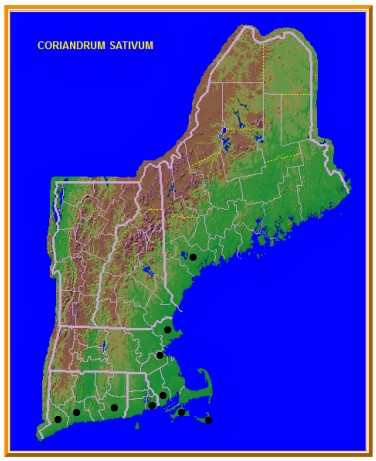


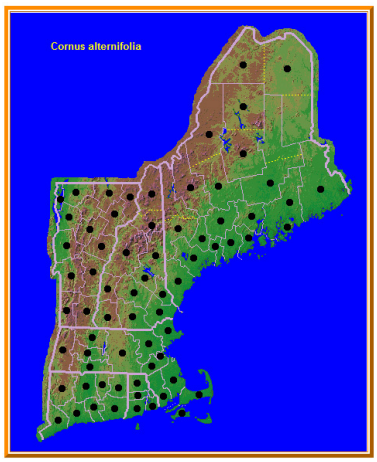


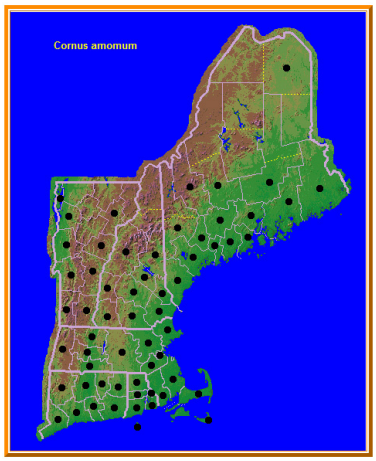
COREOPSIS TINCTORIA Nuttall - **Garden Tickseed**. 2n = 24, (26).
Waste places, roadsides, wetland margins. From farther west and south.

COREOPSIS TRIPTERIS Linnaeus - **Tall Coreopsis**. 2n = 26.
Roadsides. From farther west and south.

COREOPSIS VERTICILLATA Linnaeus - . 2n = 26, 52.
Roadsides. From farther south.







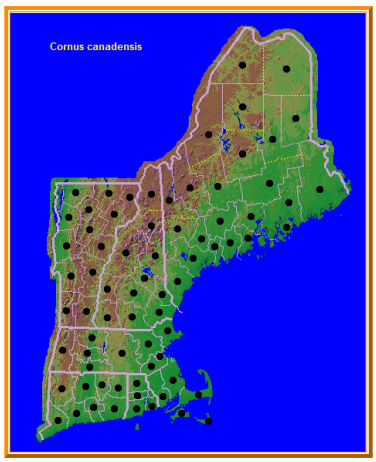
CORIANDRUM (Family: Apiaceae)

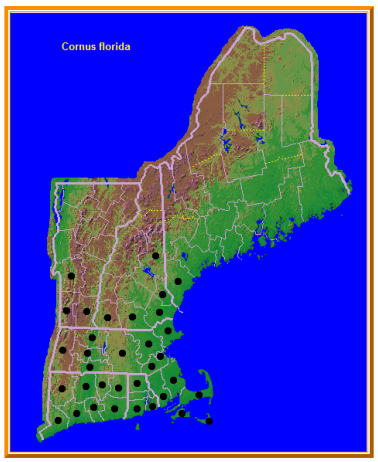
CORIANDRUM SATIVUM Linnaeus - **Coriander**. 2n = 22, (23), (24), (25), (28), (44).
Waste places, sandy seashores. Probably from the Mediterranean region.

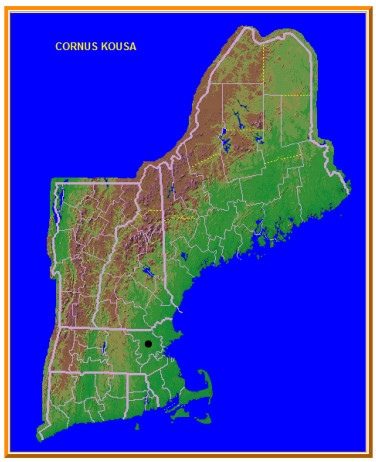
CORNUS (Family: Cornaceae)

Cornus alternifolia Linnaeus (son) - **Pagoda Dogwood**. 2n = 20, (22).
Rich, dry, open woodlands, thickets.

Cornus amomum Miller - **Silky Dogwood**. 2n = 22.
Wet thickets, shores, meadows, swamps, marshes.



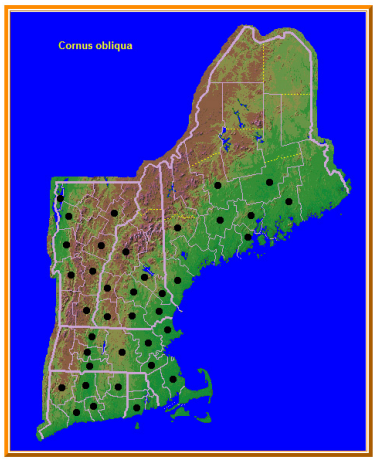


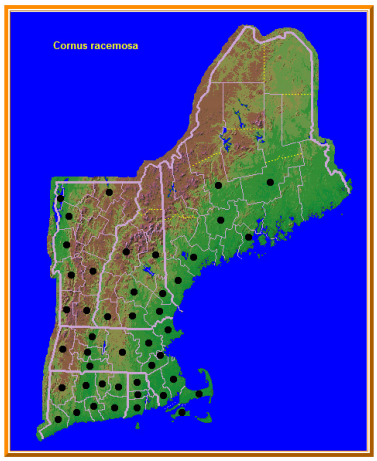


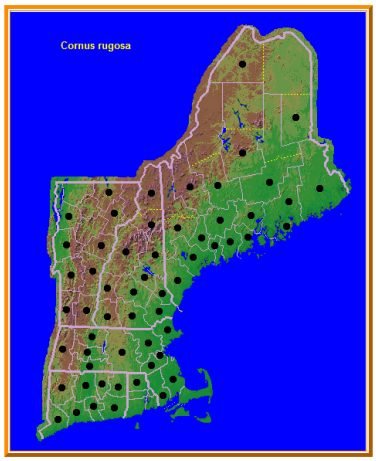
Cornus canadensis Linnaeus - **Bunchberry**. 2n = 22, 44.
Acidic, usually moist, woodlands, swamps.

Cornus florida Linnaeus - **Flowering Dogwood**. 2n = 22.
Rich, acidic woodlands.

CORNUS KOUSA F. Buerger *ex* Hance - **Japanese Dogwood**. 2n = 18, 22.
Mixed oodlands. From eastern Asia.



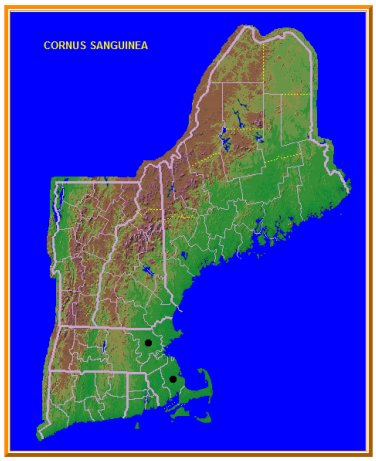


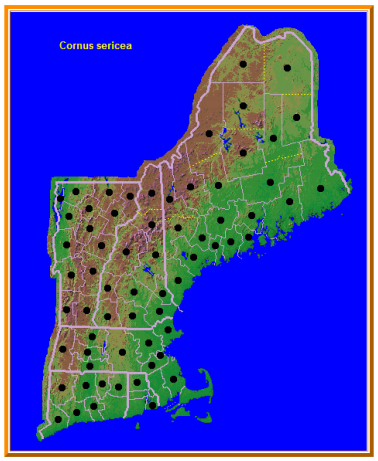


Cornus obliqua Rafinesque - **Pale Dogwood**. 2n = ?
Wet thickets, swamps, woodlands, roadsides. [*C. amomum* Miller var. *schuetzeana* (C.A. Meyer) Rickett]

Cornus racemosa Lamarck - **Gray Dogwood**. 2n = 22.
Thickets, woodlands, roadsides, streambanks, swamps.

Cornus rugosa Lamarck - **Round-leaved Dogwood**. 2n = 22.
Woodlands, thickets, rocky slopes, usually in rich soil.



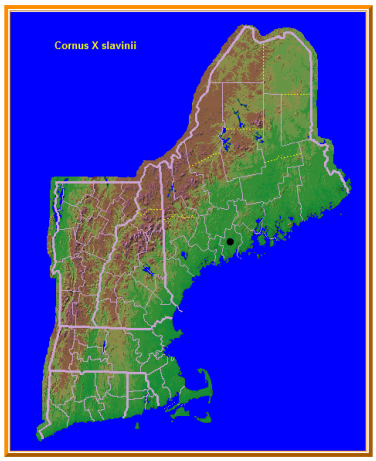


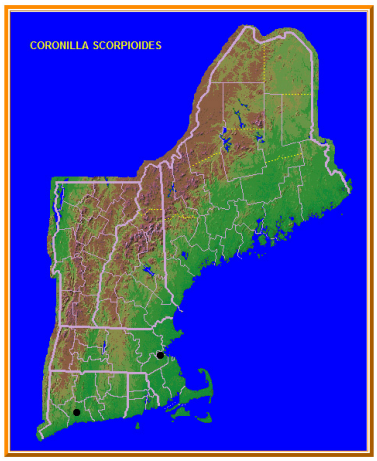
CORNUS SANGUINEA Linnaeus - **Blood-twig Dogwood**. 2n = 22.
Railroads, damp thickets. From Eurasia.

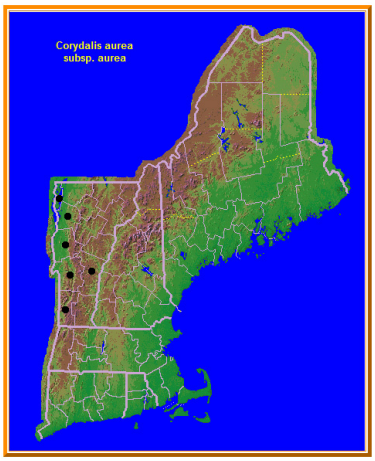
Cornus sericea Linnaeus - **Red-osier Dogwood**. 2n = 22.
Streambanks, wet thickets, shores, wet or swampy woodlands, meadows, wet roadsides. [*C. stolonifera* Michaux]

Cornus hybrids

Cornus X ***arnoldiana*** Rehder - .
[*C. amomum* Miller X *C. racemosa* Lamarck].







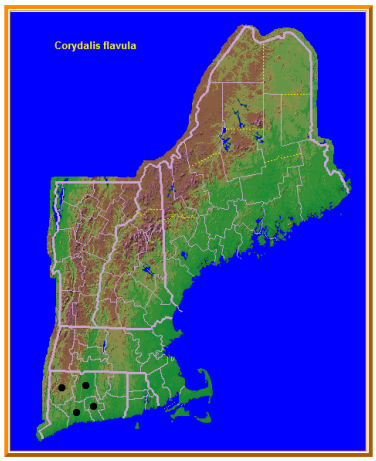
Cornus X ***slavinii*** Rehder - .
[*C. rugosa* Lamarck X *C. stolonifera* Michaux]

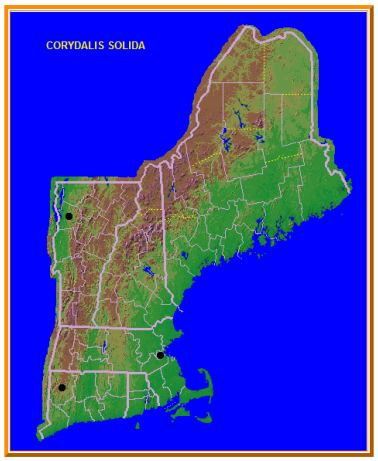
CORONILLA (Family: Fabaceae)

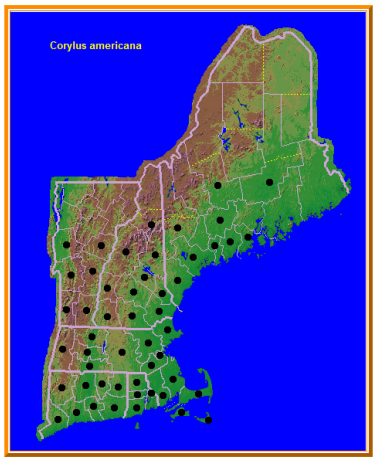
CORONILLA SCORPIOIDES (Linnaeus) W.D.J. Koch - **Annual Scorpion Vetch**. 2n = 12.
Roadsides. From Eurasia, northern Africa.

CORYDALIS (Family: Papaveraceae)

Corydalis aurea Willdenow subsp. ***aurea*** - **Golden Corydalis**. 2n = 16.
Calcareous rocky slopes, sandy or gravelly shores.





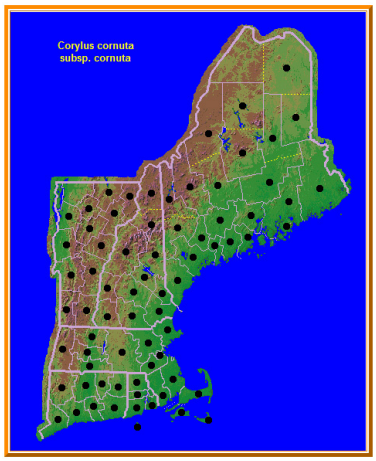


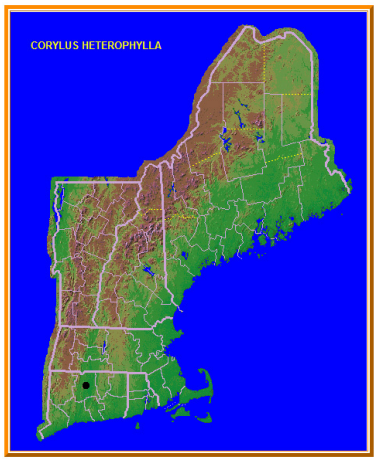
Corydalis flavula (Rafinesque) de Candolle - **Yellow Fumewort**. 2n = 16.
Rocky slopes, open woods, in moist soil.

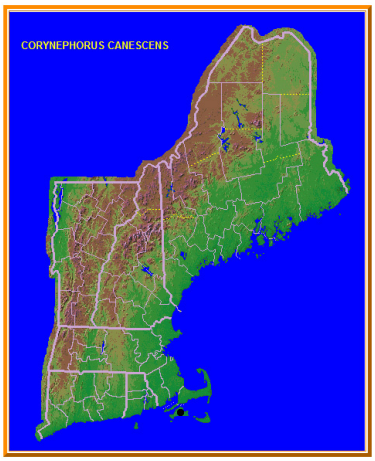
CORYDALIS SOLIDA (Linnaeus) Clairville - **Bird-in-a-bush**. 2n = (10), 16, (24), (32).
Waste areas. From Eurasia. [*C. BULBOSA* - rejected name]

CORYLUS (Family: Betulaceae)

Corylus americana Marshall - **American Hazelnut**. 2n = 22, (28).
Woodland borders, thickets, sandy banks, open woods, roadsides.





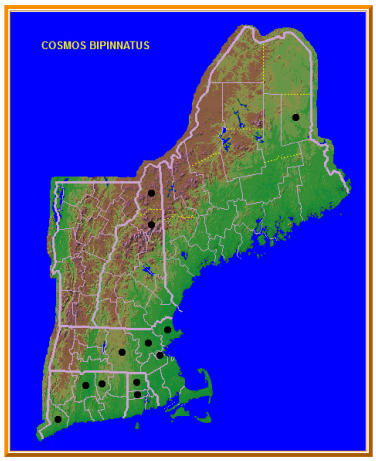


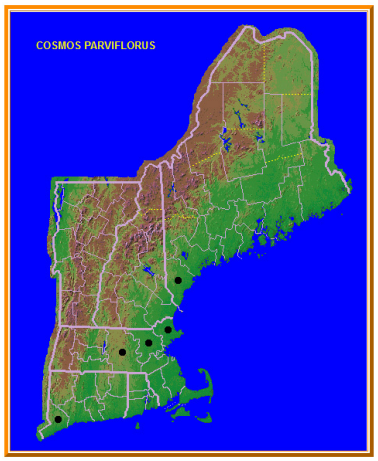
Corylus cornuta Marshall subsp. ***cornuta*** - **Beaked Hazelnut**. 2n = 22, 28.
Woodland borders, thickets, sandy banks, open woods, roadsides.

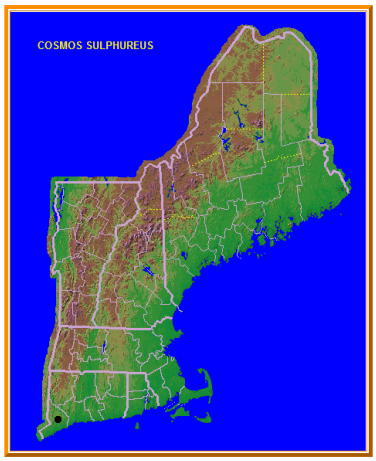
CORYLUS HETEROPHYLLA Fischer *ex* Trautvetter - **Siberian Hazelnut**. 2n = 22, 28.
From eastern Asia.

CORYNEPHORUS (Family: Poaceae)

CORYNEPHORUS CANESCENS (Linnaeus) P. Beauvois - **Gray Hairgrass**. 2n = 14.
Sandy fields, roadsides, barrens. From Europe.





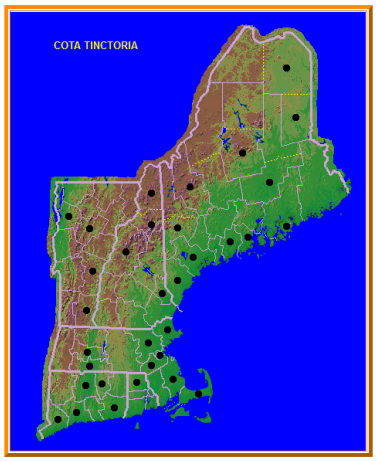


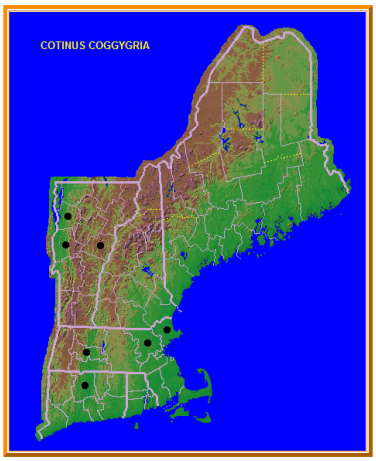
COSMOS (Family: Poaceae)

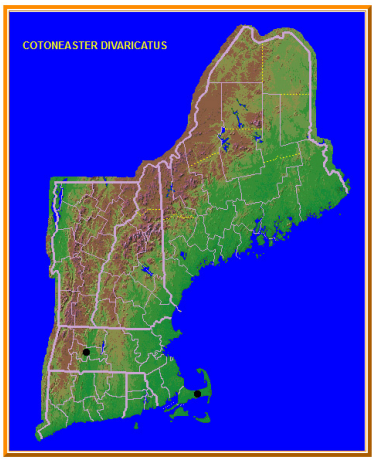
COSMOS BIPINNATUS Cavanilles - **Garden Cosmos**. 2n = (22), 24.
Waste places, roadsides. From Mexico and the southwestern United States.

COSMOS PARVIFLORUS (Jacquin) Persoon - . 2n = 24.
Waste places, roadsides. From the southwestern United States.

COSMOS SULPHUREUS Cavanilles - **Orange Cosmos**. 2n = 24, (26), (48).
Waste places. From Mexico.







COTA (Family: Asteraceae)

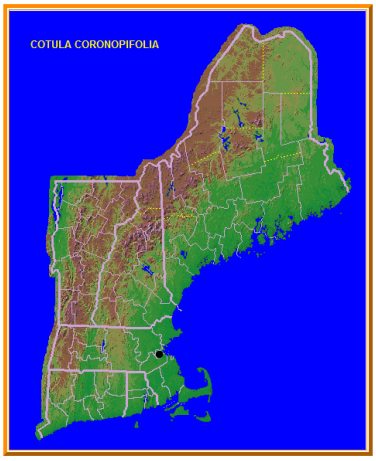
COTA TINCTORIA (Linnaeus) J. Gay - **Yellow Chamomile**. 2n = 18.
Fields, waste places, roadsides. From Eurasia. [*ANTHEMIS TINCTORIA* Linnaeus]

COTINUS (Family: Anacardiaceae)

COTINUS COGGYGRIA Scopoli - **Smoketree**. 2n = 30.
Waste places. From Eurasia.

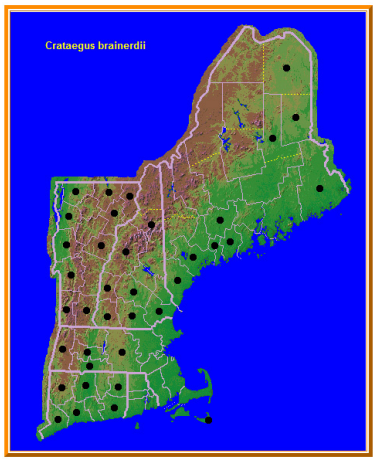
COTONEASTER (Family: Rosaceae)

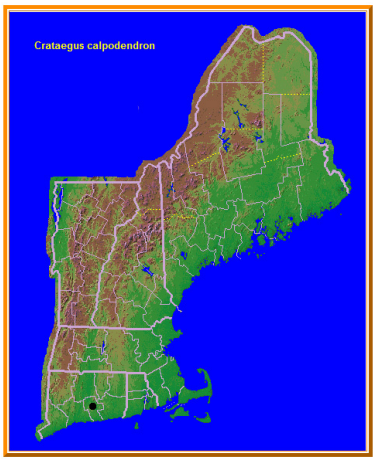
COTONEASTER DIVARICATUS Rehder & E.H. Wilson - . 2n = ?
Shady thickets, epiphyte in fork of maple tree. From China.

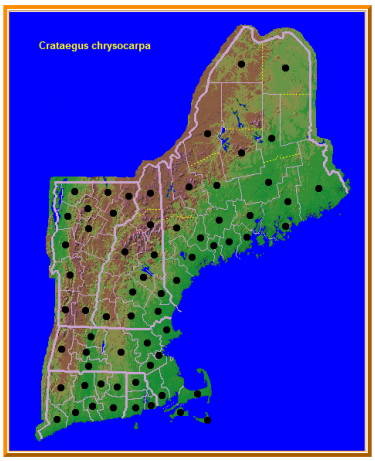


COTULA (Family: Asteraceae)

COTULA CORONOPIFOLIA Linnaeus - **Brass-buttons**. 2n = 20, (40).
Ballast waste. From South Africa.







CRATAEGUS (Family: Rosaceae)

Due to the significant diversity of taxonomic treatments for this genus over the years and the complicated reproductive mechanisms known to occur (hybridization, polyploidy, aneuploidy, apomixis), the listing here largely follows that of Gleason and Cronquist (1991) which groups many species considered separate by others. The works of Flora of North America (2014), Phipps and Muniyamma (1980), Kruschke (1965) have been used to place some names in synonymy. Certain obscure taxa collected only a few times in limited locations that are listed here are **not mapped**. The reforestation of New England since the early 20th century has greatly reduced the open habitat and fencerows preferred by members of this genus, making it likely that obscure taxa and many hybrids will never be seen again.

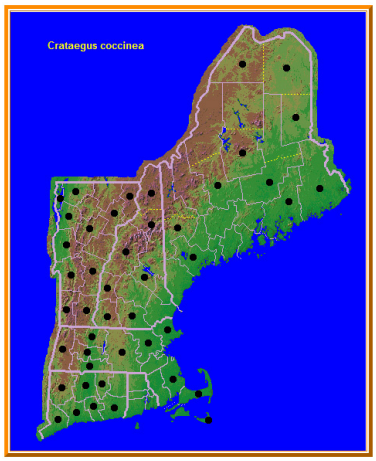
Crataegus baccata Sargent — obscure taxon known only from historic collections in Worcester County, Massachusetts.

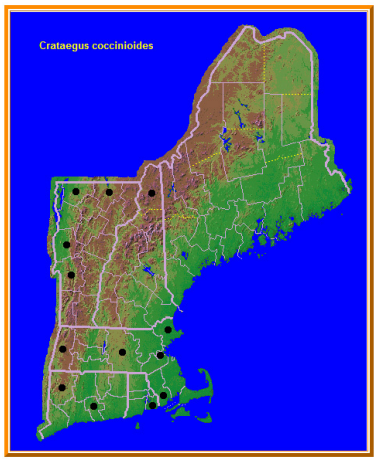
Crataegus brainerdii Sargent - . 2n = ?
Thickets, fields, woodland margins, roadsides. [*C. brainerdii* var. *asperifolia* (Sargent) Eggleston; *C. brainerdii* var. *cyclophylla* (Sargent) E.J. Palmer; *C. brainerdii* var. *egglestonii* (Sargent) B.L. Robinson; *C. brainerdii* var. *scabrida* Eggleston; *C. asperifolia* Sargent; *C. cyclophylla* Sargent; *C. egglestonii* Sargent; *C. scabrida* Sargent var. *scabrida*; *C. scabrida* var. *asperifolia* (Sargent) Kruschke; *C. scabrida* var. *cyclophylla* (Sargent) Kruschke; *C. scabrida* var. *egglestonii* (Sargent) Kruschke]

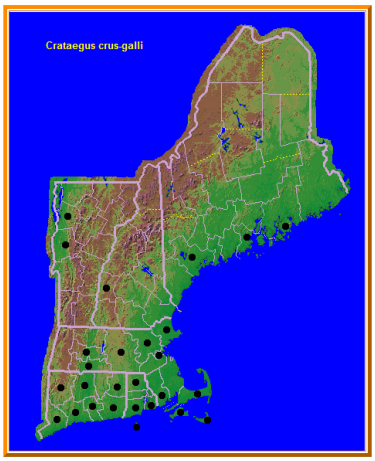
Crataegus bristolensis Sargent — obscure taxon known only from historic collections in Bristol County, Massachusetts.

Crataegus calpodendron (Ehrhart) Medikus - **Pear Hawthorn**. 2n = 34, 51.
Thickets, open woods, woodland margins.

Crataegus chrysocarpa Ashe - **Round-leaved Hawthorn**. 2n = 34, 68.
Thickets, fields, woodland margins, roadsides. [*C. chrysocarpa* var. *blanchardii* (Sargent) J.B. Phipps; *C. chrysocarpa* var. *faxonii* (Sargent) Eggleston; *C. chrysocarpa* var. *phoenicea* E.J. Palmer *ex* J.B. Phipps - illegitimate name; *C. chrysocarpa* var. *praecox* (Sargent) J.B. Phipps; *C. brunetiana* Sargent var. *brunetiana*; *C. brunetiana* var. *fernaldii* (Sargent) E.J. Palmer; *C. dodgei* Ashe; *C. faxonii* Sargent var. *faxonii*; *C. faxonii* var. *praetermissa* (Sargent) E.J. Palmer; *C. fernaldii* Sargent; *C. flavida* Sargent; *C. irrasa* Sargent var. *irrasa*; *C. irrasa* var. *blanchardii* (Sargent) Eggleston; *C. jonesiae* Sargent; *C. keepii* Sargent; *C. laurentiana* Sargent var. *brunetiana* (Sargent) Kruschke; *C. lumaria* Ashe; *C. oakesiana* Eggleston; *C. praecoqua* Sargent – illegitimate name; *C. rotundata* Sargent; *C. rotundifolia* misapplied]







Crataegus coccinea Linnaeus **- Scarlet Hawthorn.** 2n = 34, 68.
Thickets, fields, woodland margins, roadsides. [*C. coccinea* var. *pringlei* (Sargent) J.A. Macklin & J.B. Phipps; *C. anomala* Sargent; *C. corusca* misapplied; *C. eamesii* Sargent; *C. holmesiana* Ashe var. *holmesiana*; *C. holmesiana* var. *magniflora* (Sargent) E.J. Palmer; *C. holmesiana* var. *villipes* Ashe; *C. magniflora* Sargent; *C. pedicellata* Sargent var. *pedicellata*; *C. pedicellata* var. *robesoniana* (Sargent) E. J. Palmer; *C. polita* Sargent; *C. pringlei* Sargent var. *pringlei*; *C. pringlei* var. *exclusa* (Sargent) Eggleston; *C. pringlei* var. *lobulata* (Sargent) Eggleston; *C. sejuncta* Sargent]

Crataegus coccinioides Ashe - **Kansas Hawthorn**. 2n = 51.
Thickets, fields, woodland margins, roadsides. [*C. dilatata* Sargent]

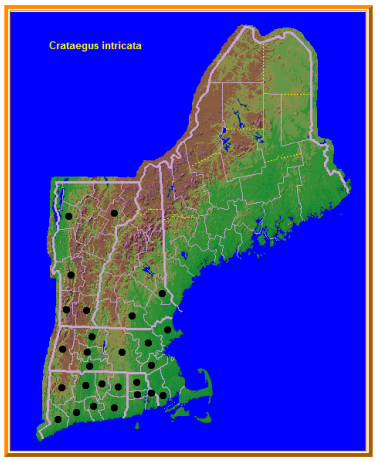
Crataegus crus-galli Linnaeus - **Cockspur Hawthorn**. 2n = 24, 34, 51, 64, 68.
Thickets, fields, woodland margins, early successional woodlands. roadsides. [*C. crus-galli* var. *exigua* (Sargent) Eggleston; *C. crus-galli* var. *pyracanthifolia* Aiton; *C. persimilis* Sargent; *C. schizophylla* Eggleston]

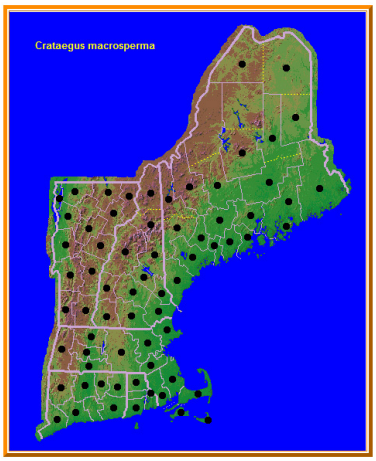
Crataegus emersoniana Sargent — obscure taxon known only from historic collections in Bristol County, Massachusetts.

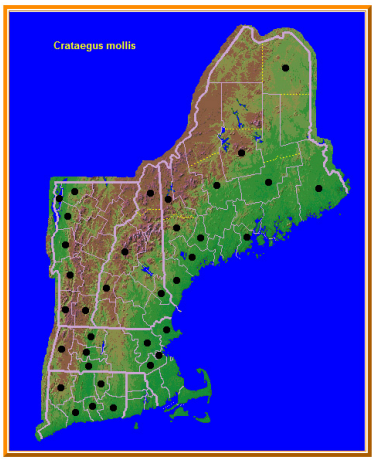
Crataegus forbesae Sargent — obscure taxon known only from historic collections in Worcester County, Massachusetts and New London County, Connecticut.

Crataegus fulgens Sargent — obscure taxon known only from historic collections in Fairfield County, Connecticut.

Crataegus hystricina Ashe — obscure taxon known only from historic collections in Fairfield County, Connecticut and in New York state.



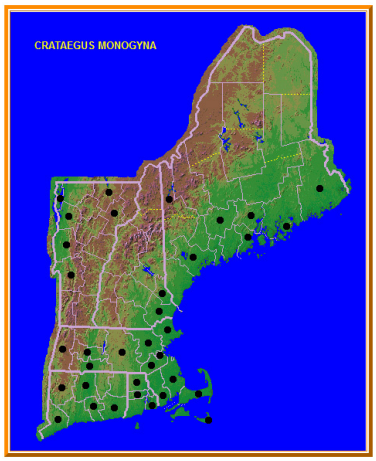


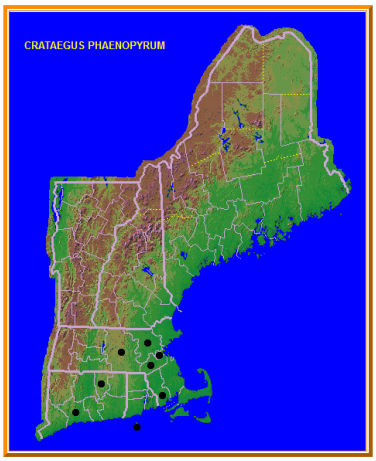


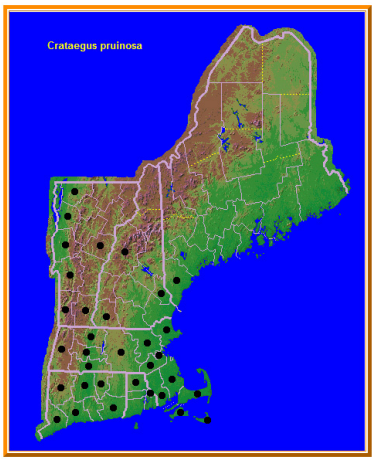
Crataegus intricata Lange - **Biltmore Hawthorn**. 2n = ca. 51, 64.
Woodland openings and margins, thickets, fields, roadsides. [*C. intricata* var. *boyntonii* (Beadle) Kruschke; *C. intricata* var. *straminea* (Beadle) E.J. Palmer; *C. biltmoreana* Beadle var. *biltmoreana*; *C. biltmoreana* var. *stonei* (Sargent) Kruschke; *C. bissellii* Sargent; *C. boyntonii* Beadle; *C. foetida* Ashe; *C. modesta* Sargent; *C. stonei* Sargent]

Crataegus macrosperma Ashe - **Variable Hawthorn**. 2n = 51, 68, 72.
Open woods, early successional woods, thickets, fields, woodland margins, roadsides. [*C. macrosperma* var. *acutiloba* (Sargent) Eggleston; *C. macrosperma* var. *demissa* (Sargent) Eggleston; *C. macrosperma* var. *matura* (Sargent) Eggleston; *C. macrosperma* var. *pastorum* (Sargent) Eggleston; *C. macrosperma* var. *pentandra* (Sargent) Eggleston; *C. macrosperma* var. *roanensis* (Ashe) E.J. Palmer; *C. basilica* Beadle; *C. beckwithae* Sargent; *C. brumalis* Ashe; *C. comata* Sargent; *C. compta* Sargent; *C. diffusa* Sargent; *C. edsonii* Sargent; *C. flabellata* (Bosc *ex* Spach) K. Koch var. *flabellata*; *C. flabellata* var. *grayana* (Eggleston) E.J. Palmer; *C. fluviatilis* Sargent; *C. glaucophylla* Sargent; *C. grayana* Eggleston; *C. iracunda* Beadle var. *iracunda*; *C. iracunda* var. *brumalis* (Ashe) Kruschke; *C. iracunda* var. *diffusa* (Sargent) Kruschke; *C. lemingtonensis* Sargent; *C. levis* Sargent; *C. matura* Sargent; *C. pastorum* Sargent; *C. populnea* Ashe; *C. randiana* Sargent; *C. roanensis* Ashe; *C. robbinsiana* Sargent; *C. schuettei* Ashe var. *schuettei*; *C. schuettei* Ashe var. *basilica* (Beadle) J.B. Phipps]

Crataegus mollis (Torrey & A. Gray) Scheele - **Downy Hawthorn**. 2n = 34, 48, 68.
Thickets, fields, woodland margins, roadsides. [*C. arnoldiana* Sargent; *C. champlainensis* Sargent; *C. pedicellata* Sargent var. *albicans* (Ashe) E.J. Palmer; *C. submollis* Sargent]







CRATAEGUS MONOGYNA Jacquin - **English Hawthorn**. 2n = 34, (51).
Roadsides, woodland margins, open, moist woods, fields. From Eurasia, northern Africa.

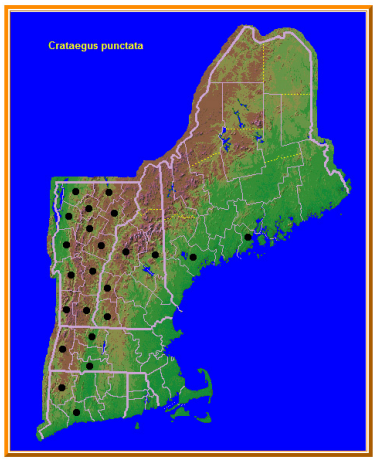
Crataegus napaea Sargent — obscure taxon known only from historic collections in Litchfield County, Connecticut.

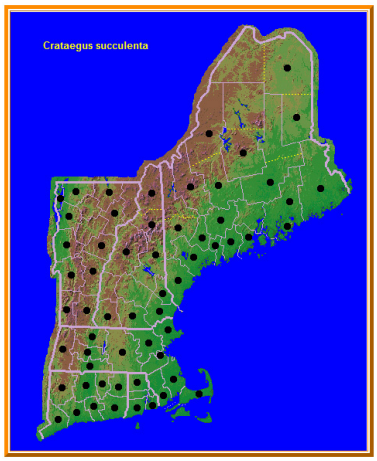
Crataegus neolondinensis Sargent — obscure taxon known only from historic collections in New London County, Connecticut.

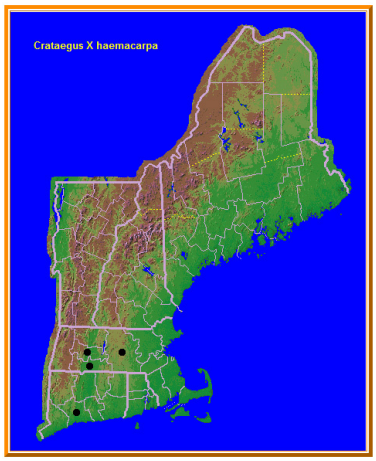
Crataegus paddockiae Sargent — obscure taxon known only from historic collections in Caledonia and Essex Counties, Vermont.

CRATAEGUS PHAENOPYRUM (Linnaeus (son)) Medikus - **Washington Hawthorn**. 2n = 72.
Thickets, roadsides. From farther south. [*C. cordata* (Miller) Aiton]

Crataegus pruinosa (H.L. Wendland) K. Koch - **Frosted Hawthorn**. 2n = 51, 68, 72.
Thickets, fields, woodland margins, roadsides. [*C. pruinosa* var. *dissona* (Sargent) Eggleston; *C. pruinosa* var. *latisepala* (Ashe) Eggleston; *C. pruinosa* var. *porteri* (Britton) Eggleston; *C. bellula* Sargent; *C. cognata* Sargent; *C. conjuncta* Sargent; *C. deltoides* Ashe; *C. dissona* Sargent var. *dissona*; *C. dissona* var. *bellula* (Sargent) Kruschke; *C. fusca* Sargent; *C. incisa* Sargent; *C. jesupii* Sargent; *C. littoralis* Sargent; *C. pequotorum* Sargent; *C. porteri* Britton var. *caerulescens* (Sargent) E.J. Palmer; *C. rugosa* Ashe]







Crataegus punctata Jacquin - . 2n = 34.
Thickets, fields, woodland margins, roadsides. [*C. punctata* var. *aurea* Aiton; *C. suborbiculata* Sargent; *C. tomentosa* Linnaeus var. *punctata* (Jacquin) A. Gray]

Crataegus quinebaugensis Sargent — obscure taxon known only from historic collections in New London County, Connecticut.

Crataegus stratfordensis Sargent — obscure taxon known only from historic collections in Fairfield County, Connecticut.

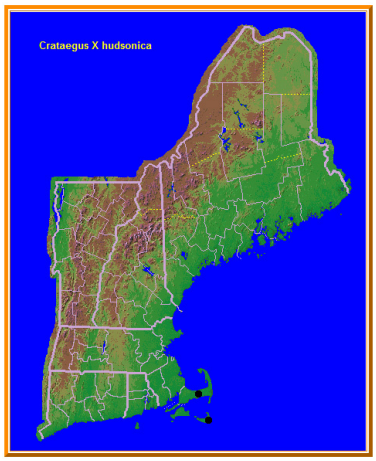
Crataegus succulenta Schrader *ex* Link - **Long-spined Hawthorn**. 2n = 34, 51.
Thickets, fields, woodland margins, roadsides. [*C. succulenta* var. *macracantha* (Loddiges *ex* Loudon) Eggleston; *C. succulenta* var. *neofluvialis* (Ashe) E.J. Palmer; *C. succulenta* var. *pisifera* (Sargent) Kruschke; *C. ferentaria* Sargent; *C. fertilis* Sargent; *C. florifera* Sargent var. *shirleyensis* (Sargent) Kruschke; *C. macracantha* Loddiges *ex* Loudon var. *macracantha*; *C. macracantha* var. *occidentalis* (Britton) Eggleston; *C. membranacea* Sargent; *C. pisifera* Sargent; *C. shirleyensis* Sargent]

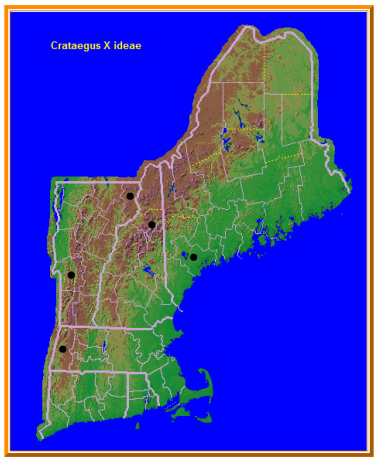
Crataegus thayeri Sargent — obscure taxon known only from historic collections in Middlesex and Worcester Counties, Massachusetts.

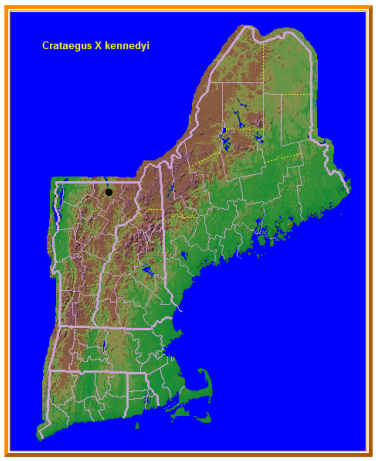
Crataegus umbratilis Sargent — obscure taxon known only from historic collections at one site in Litchfield County, Connecticut, and one town in Pennsylvania.

Crataegus hybrids

Crataegus X ***haemacarpa*** Ashe (*pro species*) - .
[*C. macrosperma* Ashe X *C. pruinosa* (H.L. Wendland) K. Koch; *C. media* Sargent]



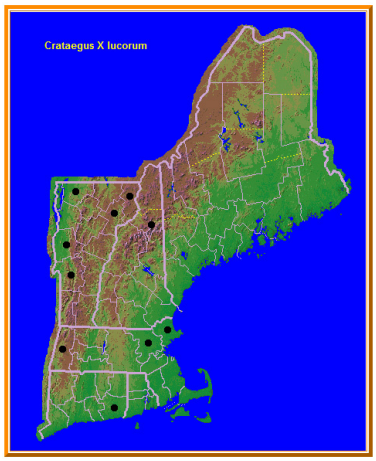


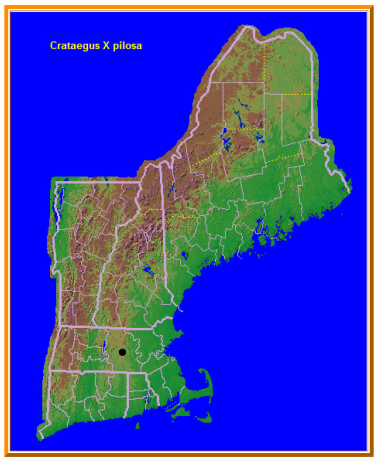


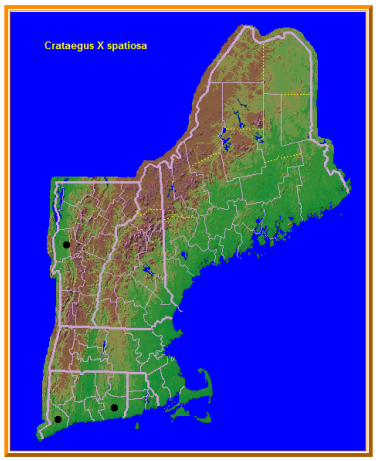
Crataegus X ***hudsonica*** Sargent (*pro species*) - .
[*C. pruinosa* (H.L. Wendland) K. Koch X *C. punctata* Jacquin; ?*C. bicknellii* (Eggleston) Eggleston; ?*C. chrysocarpa* Ashe var. *bicknellii* (Eggleston) E.J. Palmer]

Crataegus X ***ideae*** Sargent (*pro species*) - .
[*C. brainerdii* Sargent X *C. chrysocarpa* Ashe]

Crataegus X ***kennedyi*** Sargent (*pro species*) - .
[*C. brainerdii* Sargent X *C. pruinosa* (H.L. Wendland) K. Koch]



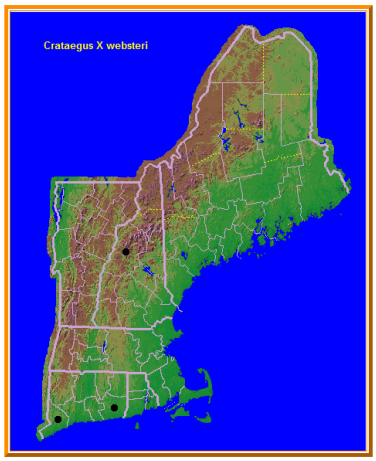


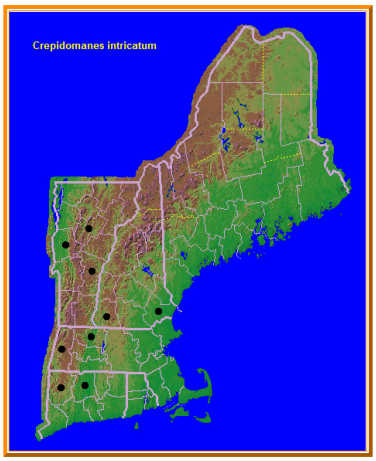


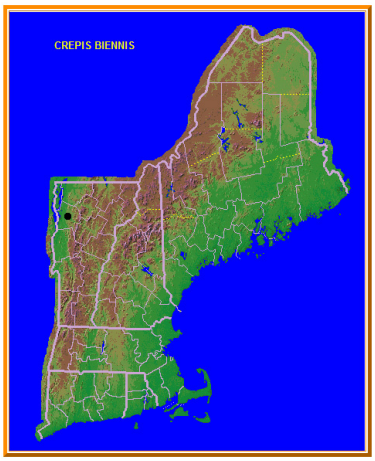
Crataegus X ***lucorum*** Sargent (*pro species*) - .
[*C. coccinea* Linnaeus X *C. macrosperma* Ashe; *C. fretalis* Sargent; *C. insolens* Sargent; *C. knieskerniana* Sargent]

Crataegus X ***pilosa*** Sargent (*pro species*) - .
[*C. intricata* Lange X *C. pruinosa* (H.L. Wendland) K. Koch]

Crataegus X ***spatiosa*** Sargent (*pro species*) - .
[*C. pruinosa* (H.L. Wendland) K. Koch X *C. succulenta* Schrader *ex* Link; *C. chadsfordiana* Sargent; *C. handyae* Sargent]







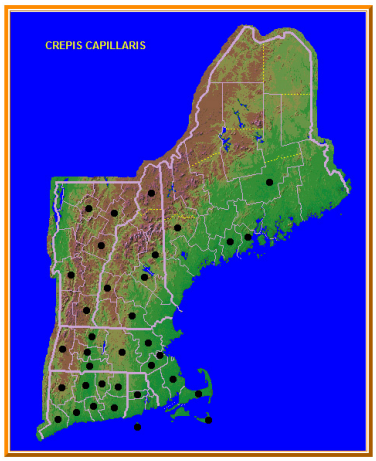
Crataegus X ***websteri*** Sargent (*pro species*) - .
[*C. brainerdii* Sargent X *C. calpodendron* (Ehrhart) Medikus]

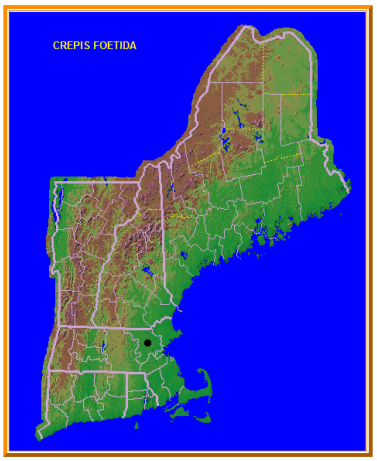
CREPIDOMANES (Family: Hymenophyllaceae)

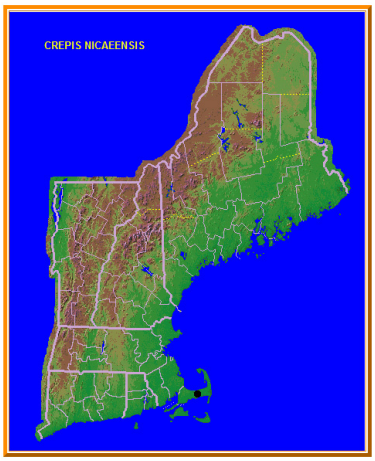
Crepidomanes intricatum (Farrar) Ebihara & Weakley - **Appalachian Bristle Fern** - . 2n = ?
Sheltered, moist, noncalcareous rock crevices and other protected places in deep ravines and gorges. Known only as gametophytes.
[*Trichomanes intricatum* Farrar]

CREPIS (Family: Asteraceae)

CREPIS BIENNIS Linnaeus - **Rough Hawk's-beard**. 2n = (31), (36), (39), 40.
Fields. From Europe.



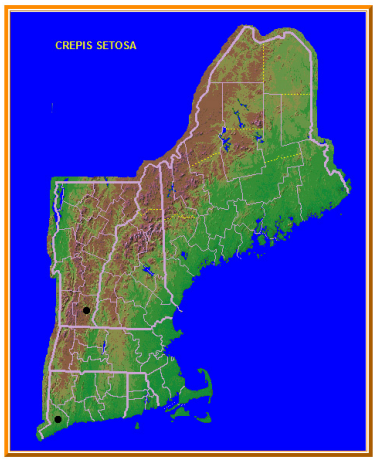


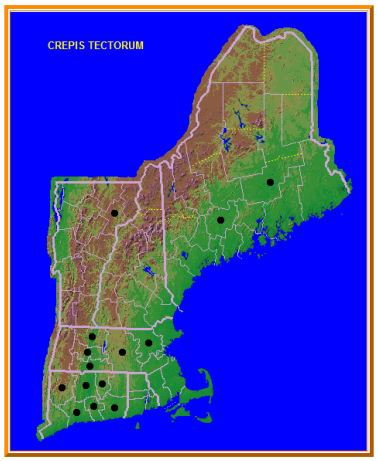


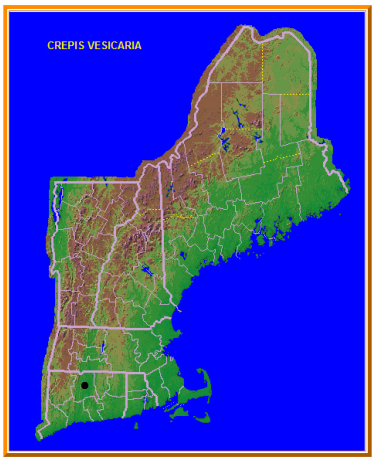
CREPIS CAPILLARIS (Linnaeus) Wallroth - **Smooth Hawk's-beard**. 2n = 6, (7), (8), (9), (10), (12), (24).
Fields, waste places, roadsides. From Europe. [*C. VIRENS* Linnaeus - illegitimate name]

CREPIS FOETIDA Linnaeus - **Stinking Hawk's-beard**. 2n = (8), 10.
Wool waste. From Eurasia, northern Africa.

CREPIS NICAEENSIS Balbis - **French Hawk's-beard**. 2n = 8.
Waste places. From Europe.



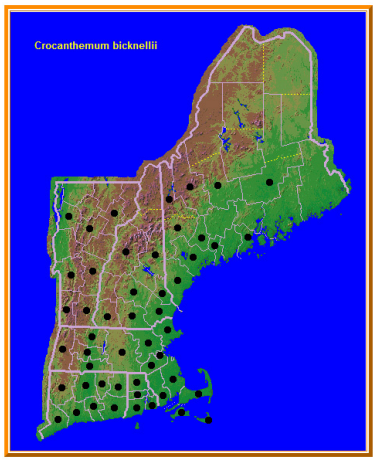


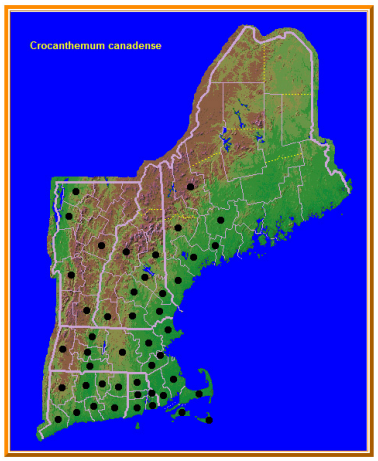


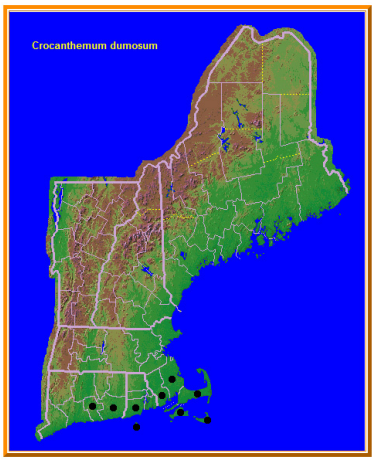
CREPIS SETOSA Haller (son) - **Bristly Hawk's-beard**. 2n = 8, (16), (28).
Fields. From Eurasia.

CREPIS TECTORUM Linnaeus - . 2n = 8.
Waste places, fields, roadsides, meadows, open, sandy, disturbed areas. From Eurasia.

CREPIS VESICARIA Linnaeus - **Beaked Hawk's-beard**. 2n = 8, 16.
Fields. From Europe, northern Africa. [*C. VESICARIA* subsp. *TARAXACIFOLIA* (Thuiller) Thellung]





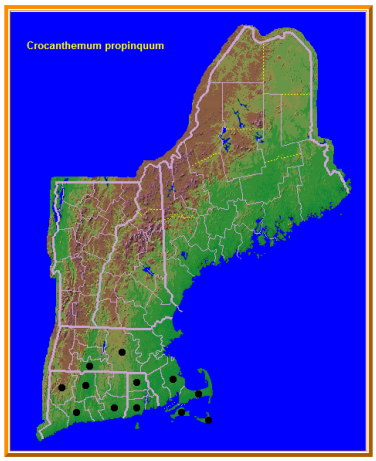


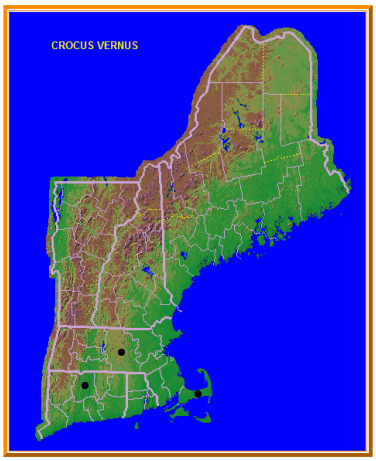
CROCANTHEMUM (Family: Cistaceae)

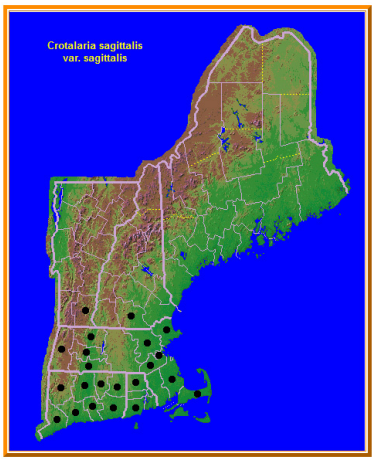
Crocanthemum bicknellii (Fernald) Janchen - **Hoary Frostweed**. 2n = 20.
Dry, sandy soil in the open, roadsides, open woods. [*Helianthemum bicknellii* Fernald]

Crocanthemum canadense (Linnaeus) Britton - . 2n = 20.
Dry, sandy or rocky soil in the open, roadsides, open woods, ledges. [*Helianthemum canadense* (Linnaeus) Michaux var. *canadense*; *H. canadense* var. *sabulonum* Fernald]

Crocanthemum dumosum E.P. Bicknell - . 2n = ?
Dry, sandy soil in the open, open woods. [*Helianthemum dumosum* (E.P. Bicknell) Fernald]







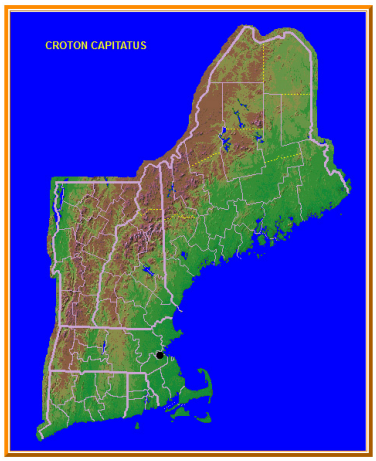
Crocanthemum propinquum (E.P. Bicknell *ex* Britton) E.P. Bicknell - . 2n = ?
Dry, sandy soil in the open, roadsides, open woods, fields. [*Helianthemum propinquum* E.P. Bicknell *ex* Britton]

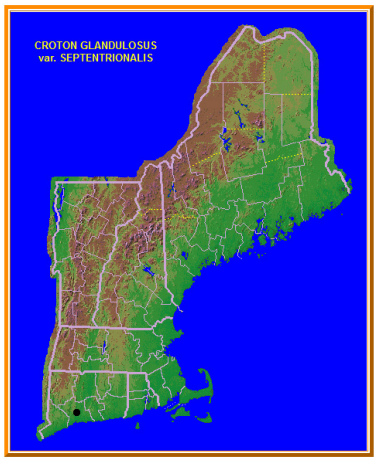
CROCUS (Family: Iridaceae)

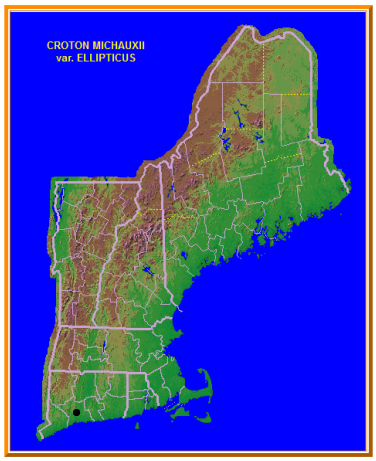
CROCUS VERNUS (Linnaeus) J. Hill - **Dutch Crocus**. 2n = 8, (10), (12), 16, (18), (19), (20), (22), (23), (32).
Grasslands. From Europe.

CROTALARIA (Family: Fabaceae)

Crotalaria sagittalis Linnaeus var. ***sagittalis*** - **Common Rattlebox**. 2n = 32.
Sandy or gravelly, often dry, open soil, shores, waste areas, railroads, roadsides.





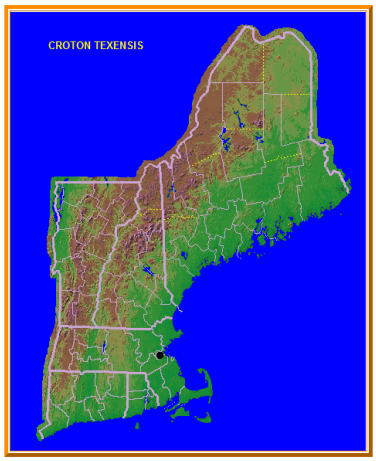


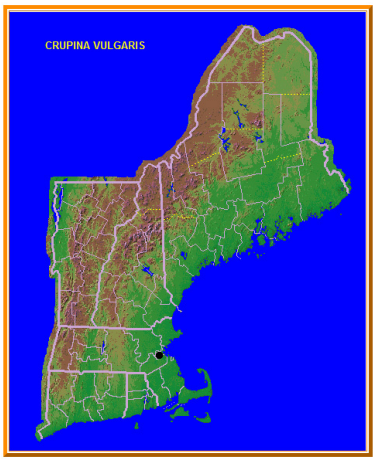
CROTON (Family: Euphorbiaceae)

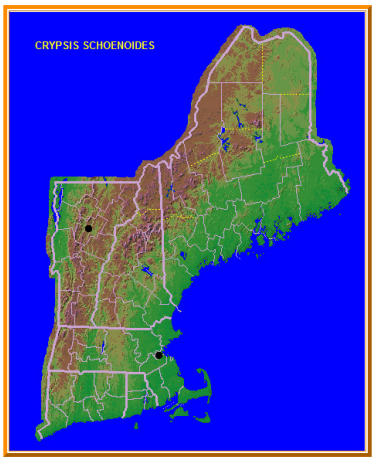
CROTON CAPITATUS Michaux - **Hogwort**. 2n = 20.
Waste places. From farther west and south.

CROTON GLANDULOSUS Linnaeus var. ***SEPTENTRIONALIS*** Müller Argoviensis - . 2n = ?
Roadsides. From farther south and west.

CROTON MICHAUXII G.L. Webster var. ***ELLIPTICUS*** (Willdenow) B.W. van Ee & P.E. Berry - . 2n = ?
Old fields, dry, sandy wastes. From farther south and west. [*C. WILLDENOWII* G.L. Webster; *CROTONOPSIS ELLIPTICA* Willdenow]







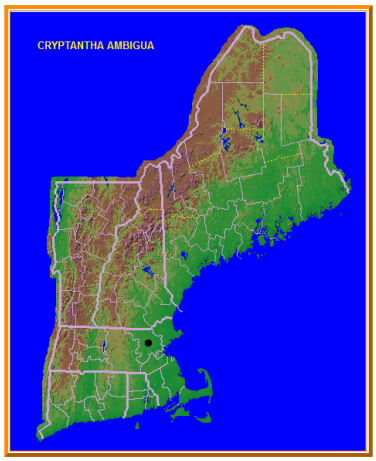
CROTON TEXENSIS (Klotzsch) Müller Argoviensis - . 2n = 28.
Waste places. From farther west.

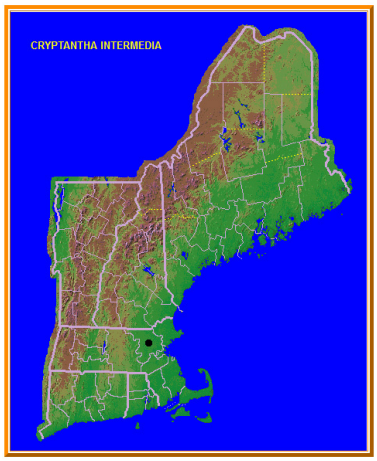
CRUPINA (Family: Asteraceae)

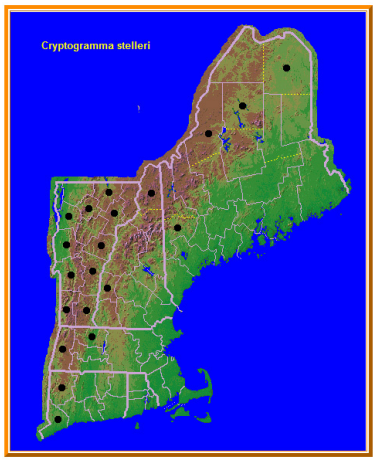
CRUPINA VULGARIS Persoon *ex* Cassini - **Bearded Creeper**. 2n = (28), 30.
Waste places. From Eurasia, northern Africa.

CRYPSIS (Family: Poaceae)

CRYPSIS SCHOENOIDES (Linnaeus) Lamarck - . 2n = (32), 36.
Waste places. From Europe. [*HELEOCHLOA SCHOENOIDES* (Linnaeus) Host *ex* Roemer]







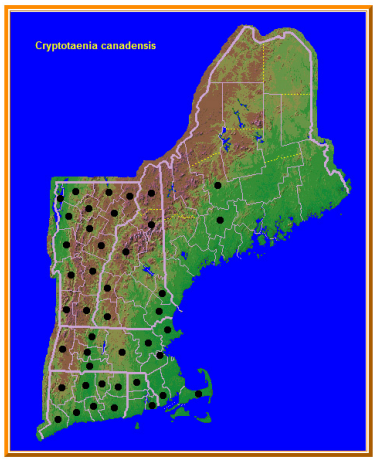
CRYPTANTHA (Family: Boraginaceae)

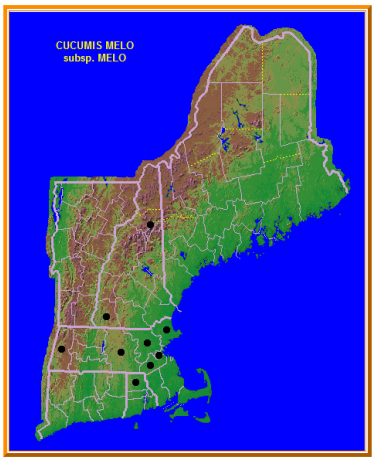
CRYPTANTHA AMBIGUA (A. Gray) Greene - . 2n = ?
Wool waste. From western North America.

CRYPTANTHA INTERMEDIA (A. Gray) Greene - . 2n = 44.
Wool waste. From western North America.

CRYPTOGRAMMA (Family: Pteridaceae)

Cryptogramma stelleri (S.G. Gmelin) Prantl - **Slender Cliff-brake**. 2n = (56), (58), 60.
Shaded, moist, calcareous cliffs and rock ledges, typically in coniferous woods.





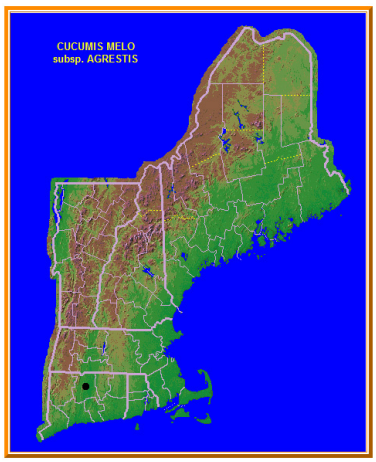
CRYPTOTAENIA (Family: Apiaceae)

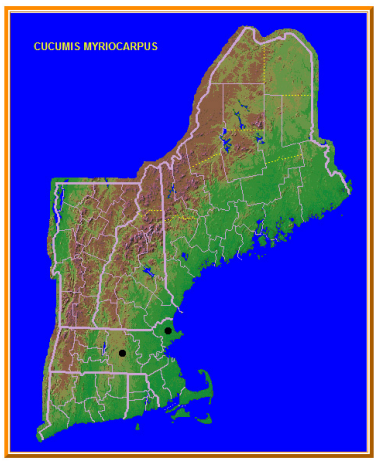
Cryptotaenia canadensis (Linnaeus) de Candolle - **Honewort**. 2n = 20, 22.
Rich woodlands and thickets.

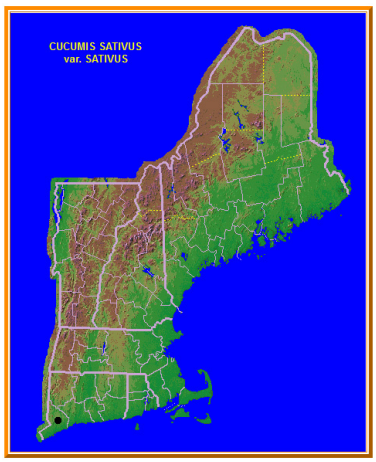
CUCUMIS (Family: Cucurbitaceae)

CUCUMIS ANGURIA Linnaeus var. ***ANGURIA*** - **Bur Gherkin**. 2n = (22), 24.
Wool waste. From central and southern Africa.

CUCUMIS MELO Linnaeus subsp. ***MELO*** - **Cantaloupe**. 2n = (20), (22), 24, (48).
Waste places. From southwestern Asia.



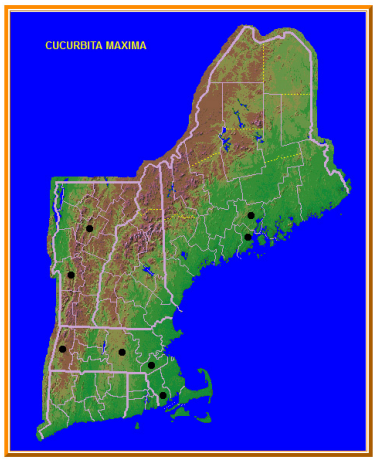


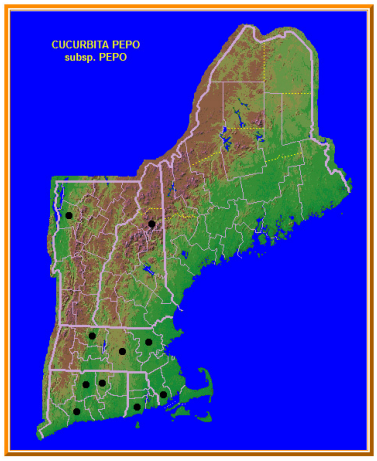


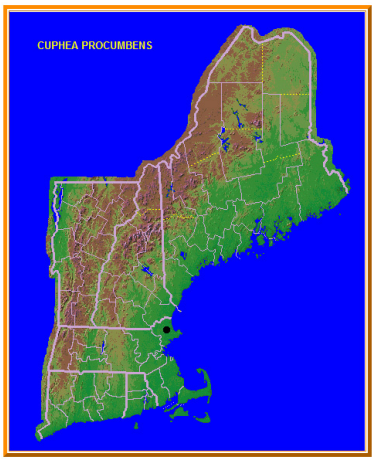
CUCUMIS MELO Linnaeus subsp. ***AGRESTIS*** (Naudin) Pangolo - . 2n = 24.
Moist, sandy, waste places. From Asia, probably.

CUCUMIS MYRIOCARPUS Naudin - **Paddy Melon**. 2n = 24.
Waste places. From southern Africa.

CUCUMIS SATIVUS Linnaeus var. ***SATIVUS*** - **Cucumber**. 2n = 14, (28).
Waste places. From India.







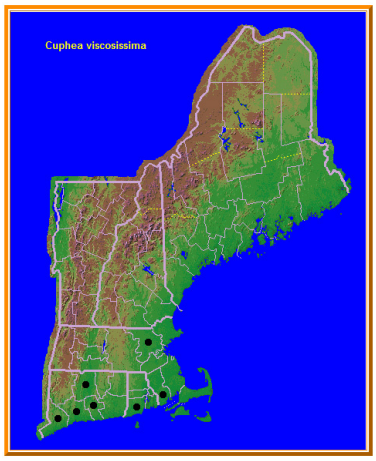
CUCURBITA (Family: Cucurbitaceae)

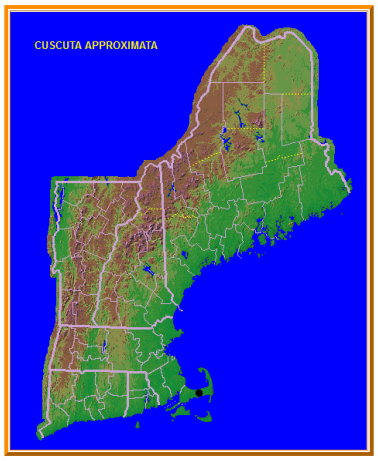
CUCURBITA MAXIMA Duchesne - **Winter Squash**. 2n = (24), 40, (48).
Waste places. From South America.

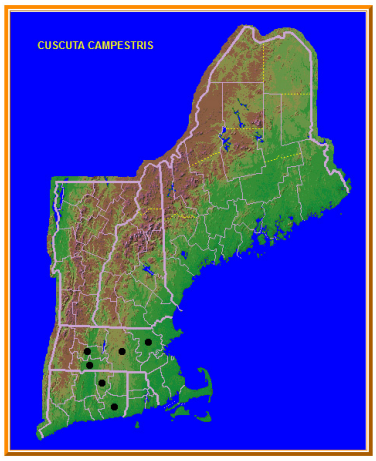
CUCURBITA PEPO Linnaeus subsp. ***PEPO*** - **Pumpkin**. 2n = (10), (22), (24), (28), 40, (80).
Waste places, roadsides, sandy beaches. From Mexico, South America. [*C. PEPO* var. *MELOPEPO* (Linnaeus) Alefeld; *C. PEPO* var. *OVIFERA* (Linnaeus) Alefeld]

CUPHEA (Family: Lythraceae)

CUPHEA PROCUMBENS Ortega - . 2n = 18.
Pastures. From southern Mexico.





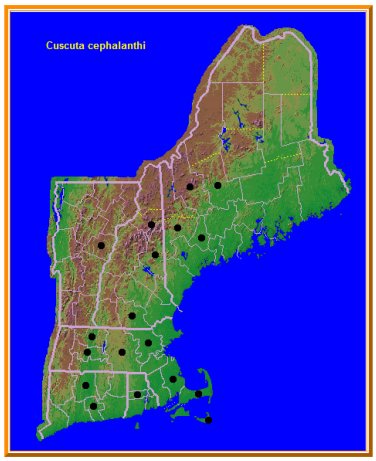


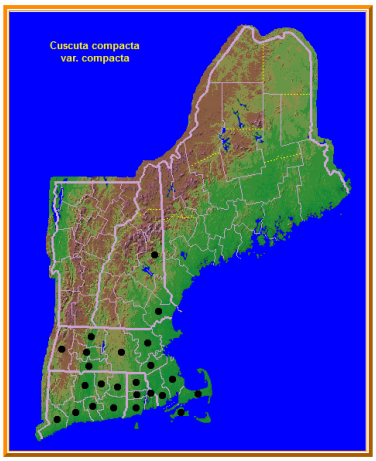
Cuphea viscosissima Jaquin - **Blue Waxweed**. 2n = 12.
Fields, roadsides. [*C. petiolata* Pohl *ex* Koehne]

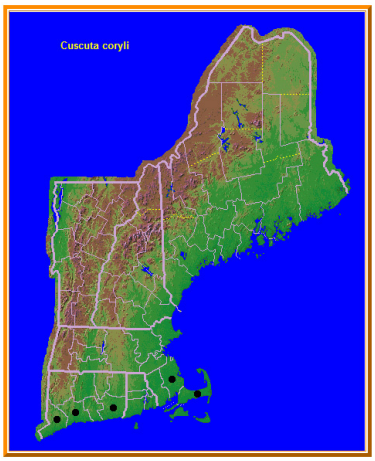
CUSCUTA (Family: Convolvulaceae)

CUSCUTA APPROXIMATA Babington - **Alfalfa Dodder**. 2n = 28.
Damp meadows, typically parasitic on *Medicago* and *Trifolium*. From Eurasia, northern Africa.

CUSCUTA CAMPESTRIS Yuncker - . 2n = (28), 56.
Street gutter on *Persicaria*, brooksides on *Impatiens*. From farther west and south, Caribbean.



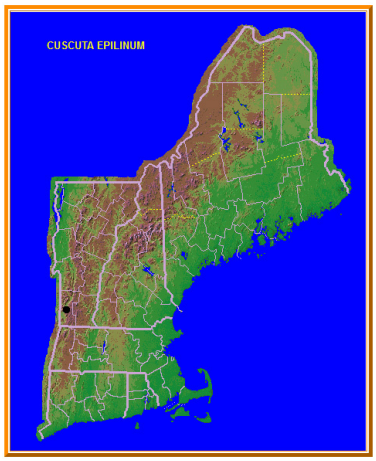


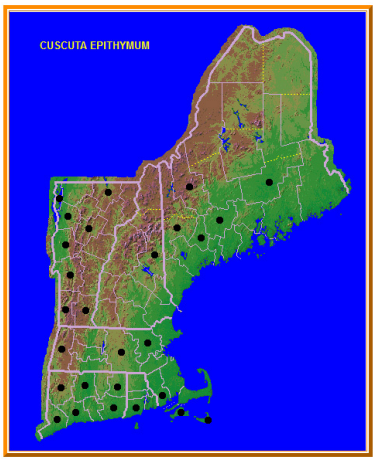


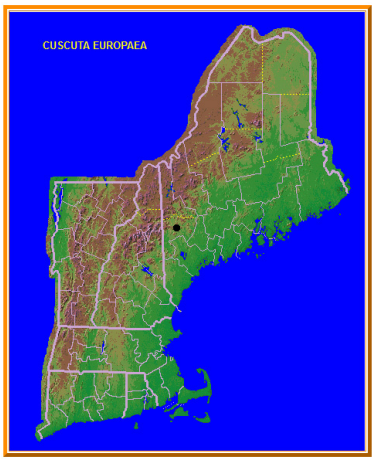
Cuscuta cephalanthi Engelmann - **Buttonbush** Dodder. 2n = 60.
Alluvial woodlands, riverbank thickets, *Sphagnum* bogs, marsh margins, parasitic on coarse herbs and shrubs.

Cuscuta compacta Jussieu *ex* Choisy var. ***compacta*** - . 2n = 30.
Low woods and thickets, parasitic on various shrubs and coarse herbs.

Cuscuta coryli Engelmann - **Hazel Dodder**. 2n = 30.
Dry, gravelly and sandy beaches, dryish, sandy, old fields, moist woods, pond margins, parasitic on various herbs and shrubs, especially Asteraceae such as *Euthamia*, *Eurybia*, *Solidago* and *Symphyotrichum*.



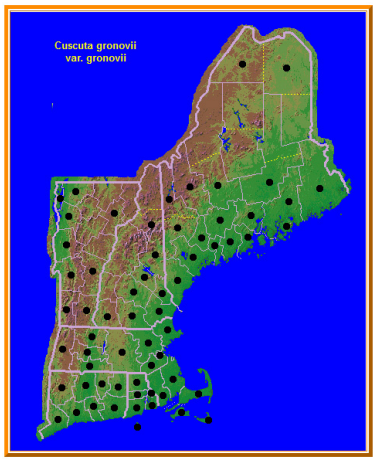


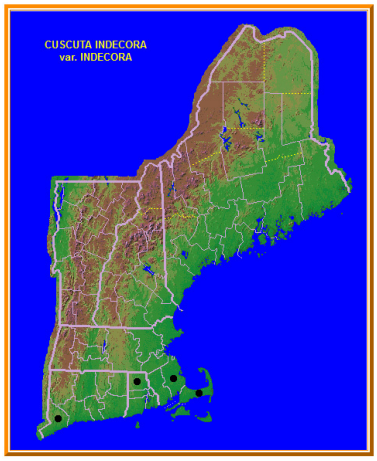


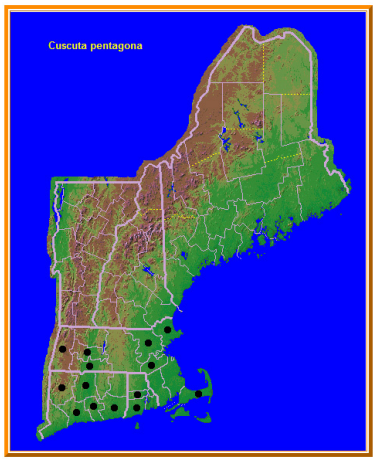
CUSCUTA EPILINUM Weihe - **Flax Dodder**. 2n = 42.
Parasitic on flax (*Linum*). From western and central Asia.

CUSCUTA EPITHYMUM (Linnaeus) Linnaeus - **Clover Dodder**. 2n = 14, (16), (28), (30), (32).
Parasitic on herbs, especially *Medicago*, *Trifolium* and other herbaceous Fabaceae. From Eurasia, northern Africa.

CUSCUTA EUROPAEA Linnaeus - **Greater Dodder**. 2n = 14.
Hedge at field margin, low thicket, parasitic on *Solidago* and various other herbs and shrubs. From Eurasia, northern Africa.



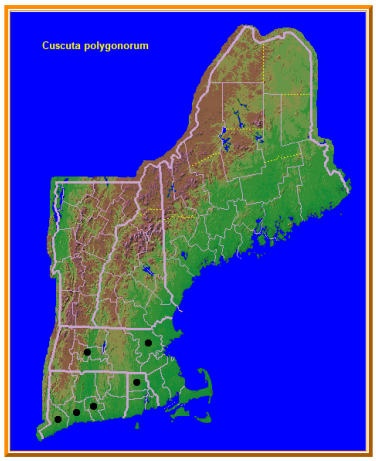


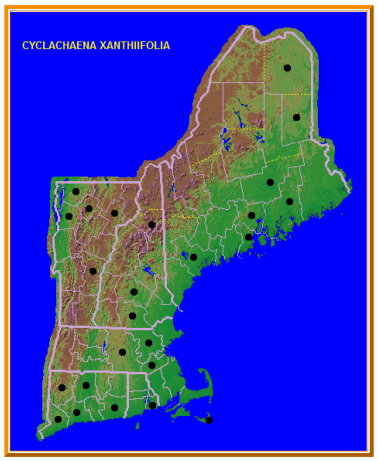


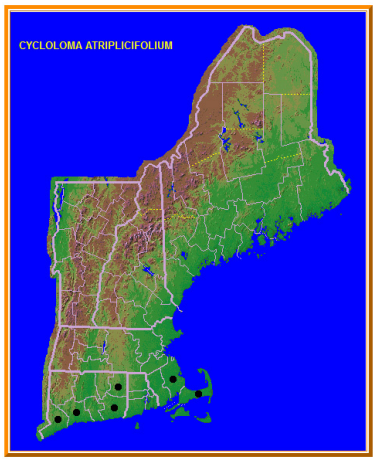
Cuscuta gronovii Willdenow *ex* Roemer & Schultes var. ***gronovii*** - **Common Dodder**. 2n = 60.
Low grounds, parasitic on many coarse herbs and shrubs. [*C. gronovii* var. *latiflora* Engelmann]

CUSCUTA INDECORA Choisy var. ***INDECORA*** - . 2n = 30.
Dry, sandy or gravelly shores, parasitic on various herbs and shrubs, especially Asteraceae (such as *Euthamia*, *Solidago* and *Symphyotrichum*). From farther west and south.

Cuscuta pentagona Engelmann - . 2n = ca. 44, ca. 56.
Dry, open soil, parasitic on many herbs.







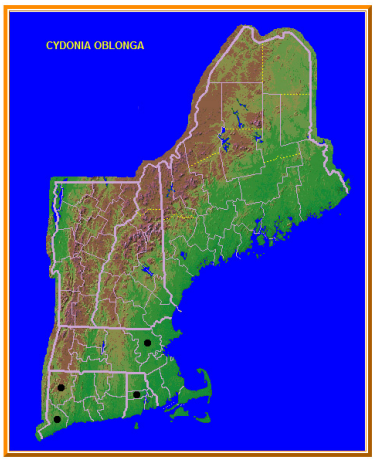
Cuscuta polygonorum Engelmann - **Smartweed Dodder**. 2n = ?
Pond shores, river thickets, parasitic on *Polygonum*, *Lycopus* and other herbs. [*C. obtusiflora sensu* Gray's Manual 7th edition]

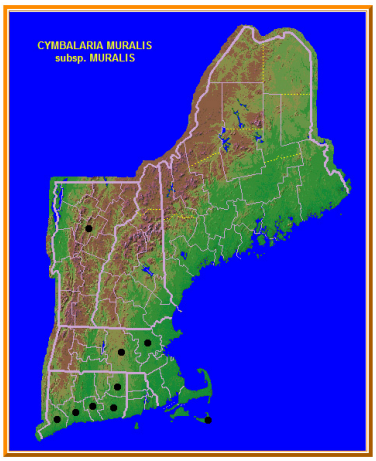
CYCLACHAENA (Family: Asteraceae)

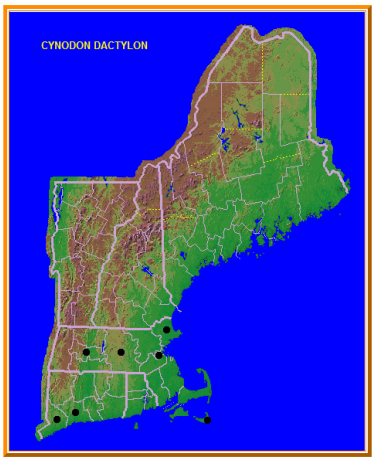
CYCLACHAENA XANTHIIFOLIA (Nuttall) Fresenius - **Giant Sumpweed**. 2n = (28), 36.
Waste places, fields. From farther west. [*IVA XANTHIIFOLIA* Nuttall]

CYCLOLOMA (Family: Amaranthaceae)

CYCLOLOMA ATRIPLICIFOLIUM (Sprengel) J.M. Coulter - . 2n = 32, 36.
Roadsides, waste places, usually sandy. From farther west.







CYDONIA (Family: Rosaceae)

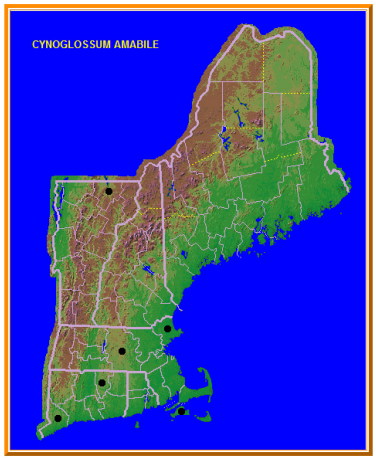
CYDONIA OBLONGA Miller - **Quince**. 2n = 34.
Roadsides, railroads. From central and western Asia.

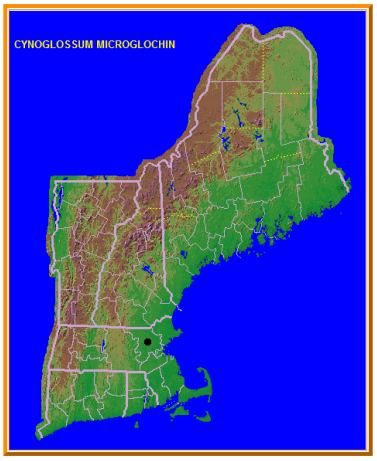
CYMBALARIA (Family: Plantaginaceae)

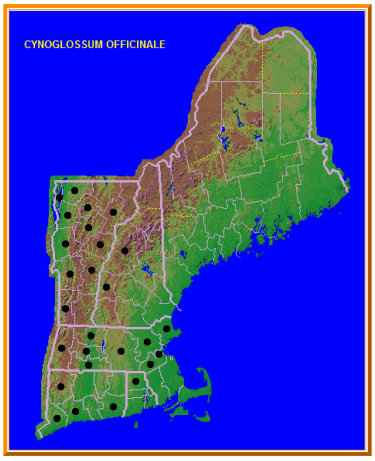
CYMBALARIA MURALIS G. Gaertner, B. Meyer, & Scherbius subsp. ***MURALIS*** - **Kenilworth Ivy**. 2n = 14.
Stone walls, waste places, dry, rocky ground, railroads, river shores. From Europe.

CYNODON (Family: Poaceae)

CYNODON DACTYLON (Linnaeus) Persoon - **Bermuda Grass**. 2n = 18, (27), 30, 36, 40, (54).
Waste places. From the Middle East. [*C. ARISTIGLUMIS* Caro & E.A. Sánchez]





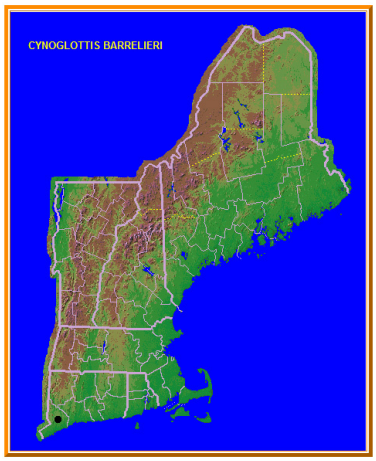


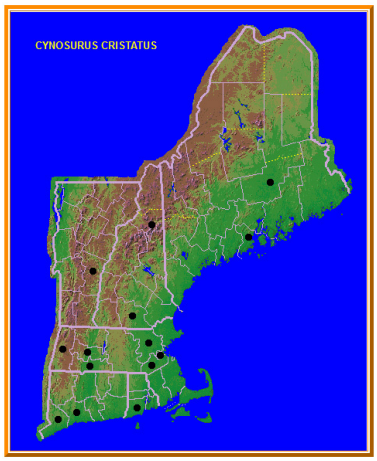
CYNOGLOSSUM (Family: Boraginaceae)

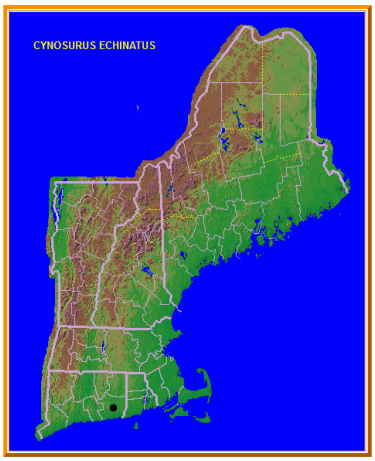
CYNOGLOSSUM AMABILE Stapf & J.R. Drummond - **Chinese Hound's-tongue**. 2n = 24.
Roadsides, waste places. From China.

CYNOGLOSSUM MICROGLOCHIN Bentham - . 2n = 24.
Waste places. From central and southern Asia.

CYNOGLOSSUM OFFICINALE Linnaeus - **Common Hound's-tongue**. 2n = 24, (48).
Dry fields, roadsides, waste places. From Eurasia.







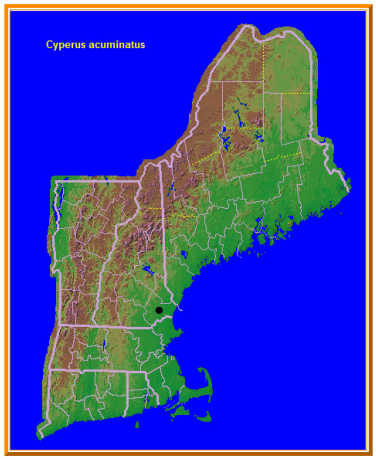
CYNOGLOTTIS (Family: Boraginaceae)

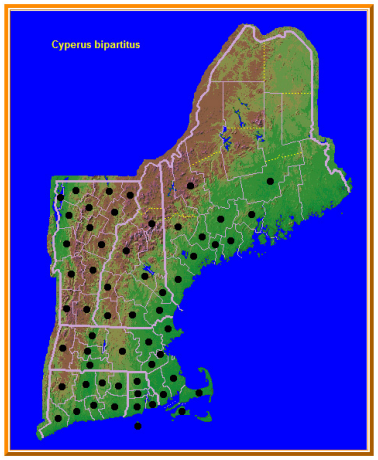
CYNOGLOTTIS BARRELIERI (Allioni) Vural & Kit Tan - **False Alkanet**. 2n = 16, 18, 24, 36.
Gravelly roadsides. From Europe. [*ANCHUSA BARRELIERI* Vitman]

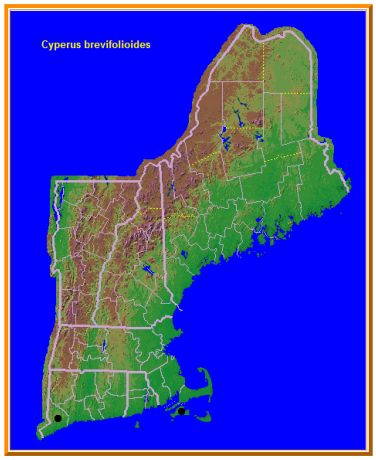
CYNOSURUS (Family: Poaceae)

CYNOSURUS CRISTATUS Linnaeus - . 2n = 14.
Roadsides. From Europe.

CYNOSURUS ECHINATUS Linnaeus - . 2n = 14, (16).
Roadsides. From Eurasia, northern Africa.





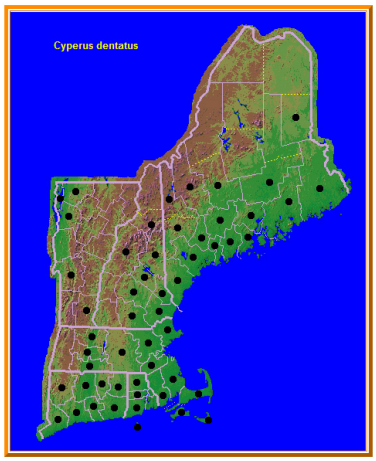


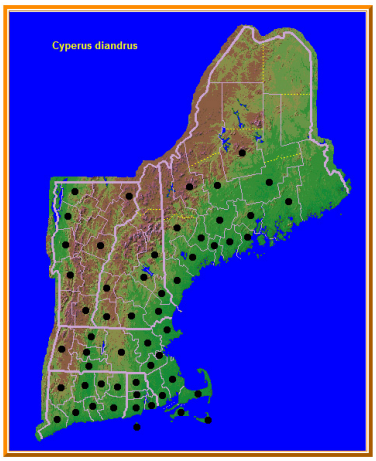
CYPERUS (Family: Cyperaceae)

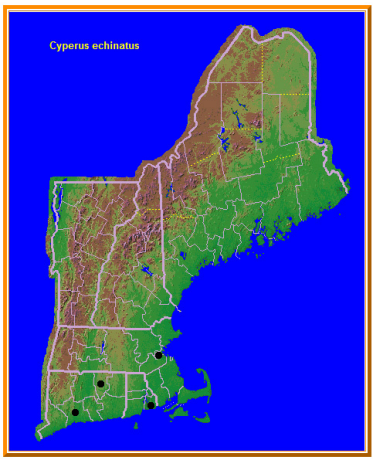
Cyperus acuminatus Torrey & Hooker - . 2n = ?
Shores, often sandy.

Cyperus bipartitus Torrey - . 2n = 54.
Shores and other wet, disturbed areas. [*C. rivularis* Kunth]

Cyperus brevifolioides Thieret & Delahoussaye - **Pasture Spike-sedge**. 2n = ?
Muddy banks of streams and estuaries. [*Kyllinga gracillima* Miquel]



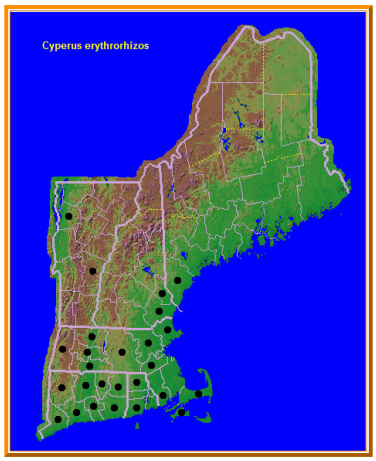


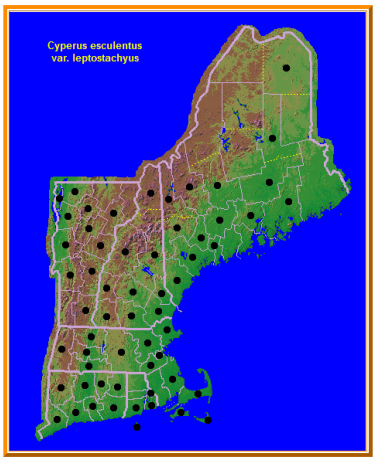


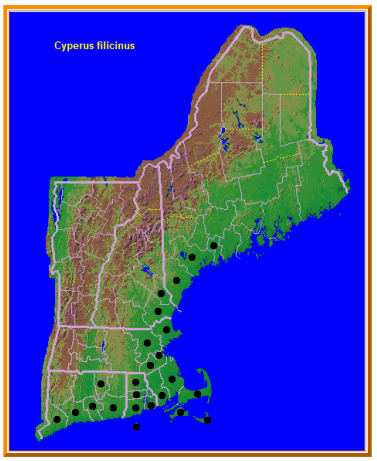
Cyperus dentatus Torrey - **Bulblet Sedge**. 2n = 34.
Sandy shorelines.

Cyperus diandrus Torrey - . 2n = ?
Shores.

Cyperus echinatus (Linnaeus) Alph. Wood - **Teasel Sedge**. 2n = ?
Open, moist, disturbed sites in well-drained soil. [*C. ovularis* (Michaux) Torrey]



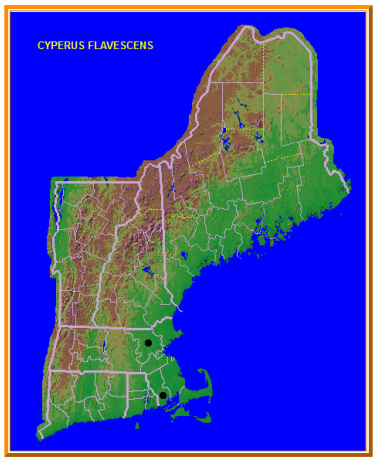


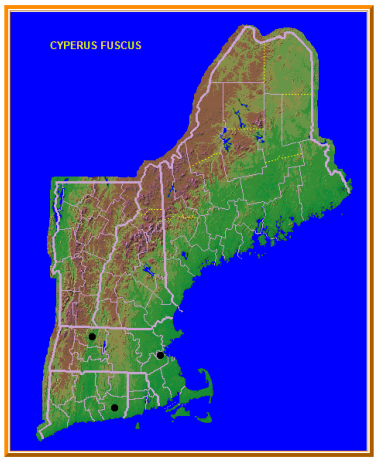


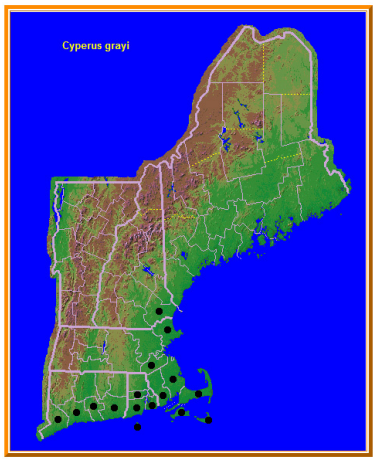
Cyperus erythrorhizos Muhlenberg - . 2n = 96.
Shores.

Cyperus esculentus Linnaeus var. ***leptostachyus*** Boeckeler - **Yellow Nut-grass**. 2n = ?
Damp, sandy disturbed soil, shores, often in cultivated ground.

Cyperus filicinus Vahl - **Beach Sedge**. 2n = ?
Borders of tidal marshes, dune hollows, occasionally fresh water pond shores, roadsides and ditches.



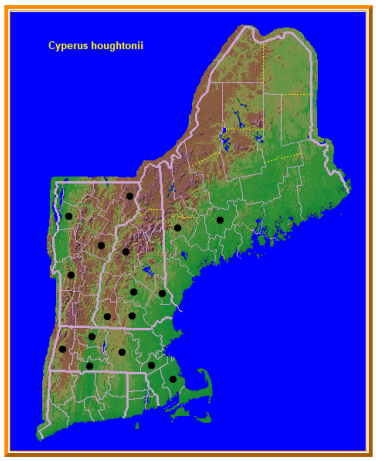


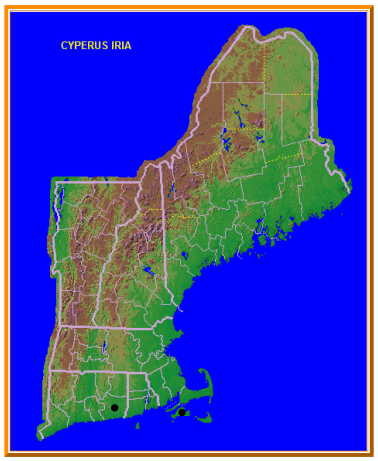


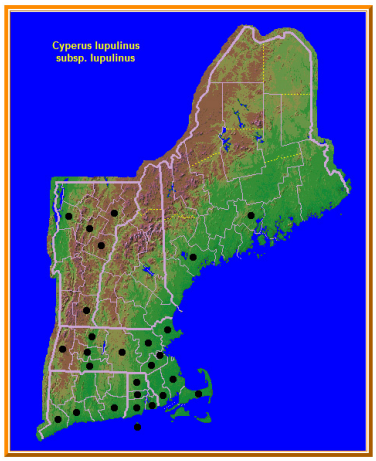
CYPERUS FLAVESCENS Linnaeus - . 2n = 50, 70.
Damp soils, often disturbed. From farther south and west. [*C. FLAVESCENS* var. *POIFORMIS* (Pursh) Fernald]

CYPERUS FUSCUS Linnaeus - **Brown Galingale**. 2n = 36, (48), 72
Damp, sandy disturbed soils. From Eurasia.

Cyperus grayi Torrey - . 2n = 166.
Dry sands of coastal plain.



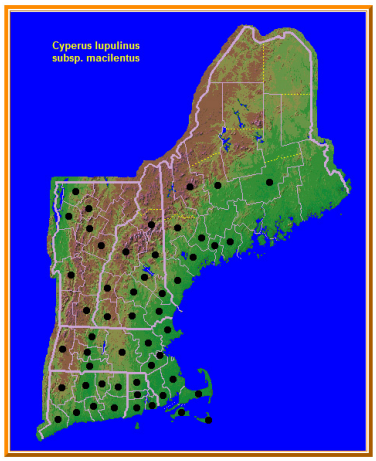


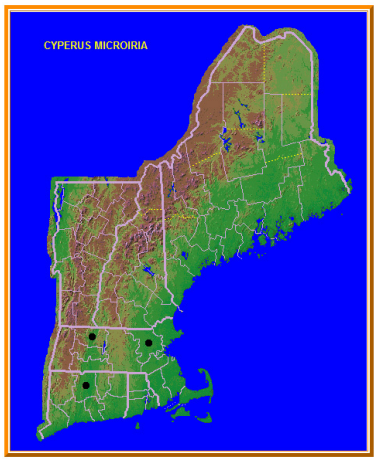


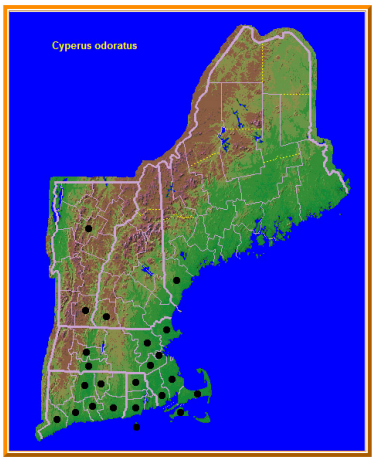
Cyperus houghtonii Torrey - . 2n = 78, 168, 170, 172.
Sandy soil, usually dry.

CYPERUS IRIA Linnaeus - . 2n = 16, 72, 104, 108, 112, 116, 128.
Roadsides, clearings and other disturbed soils. From Eurasia.

Cyperus lupulinus (Sprengel) Marcks subsp. ***lupulinus*** - . 2n = 146, 166.
Sandy or gravelly soil, usually dry. [*C. filiculmis* Vahl var. *filiculmis*]



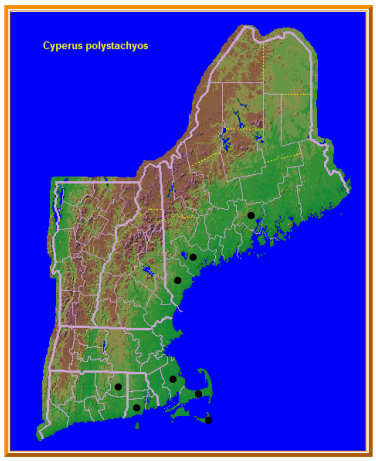


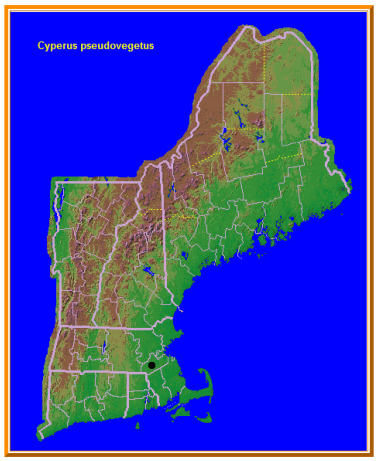


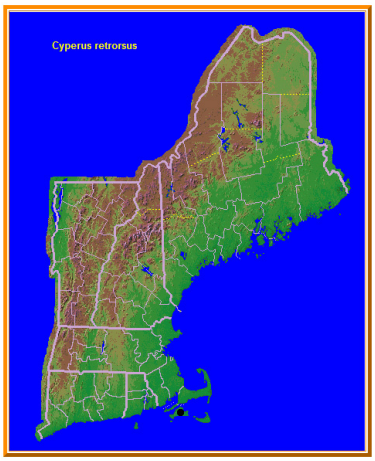
Cyperus lupulinus (Sprengel) Marcks subsp. ***macilentus*** (Fernald) Marcks - . 2n = 166.
Open, usually sandy soil. [*C. filiculmis* Vahl var. *macilentus* Fernald]

CYPERUS MICROIRIA Steudel - . 2n = 104.
Fallow fields, waste places, disturbed soils. From Asia. [*C. amuricus* misapplied]

Cyperus odoratus Linnaeus - . 2n = ?
Tidal marshes, coastal meadows. [*C. engelmannii* Steudel; *C. ferruginescens* Boeckeler]



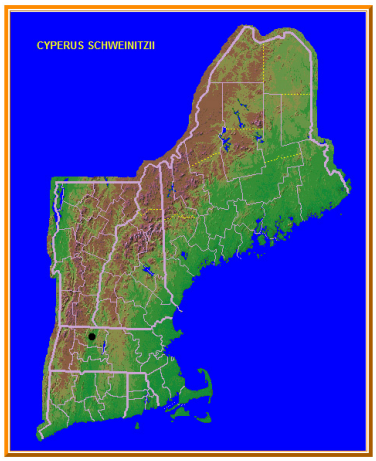


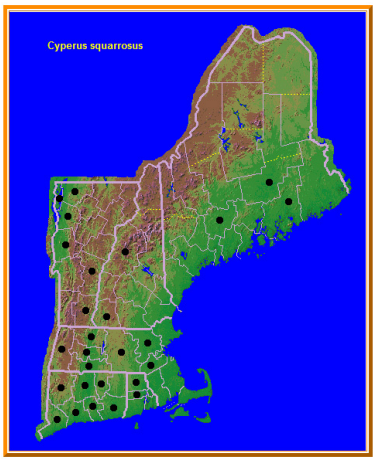


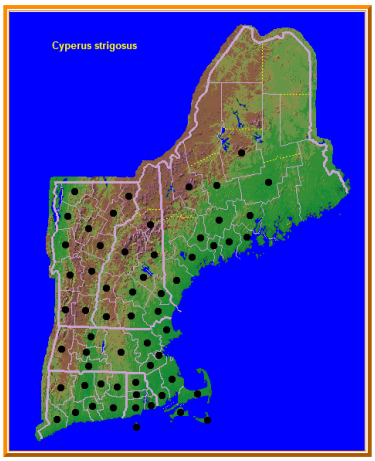
Cyperus polystachyos Rottbøll - . 2n = 96.
Sandy pond shores. [*C. polystachyos* var. *texensis* (Torrey) Fernald]

Cyperus pseudovegetus Steudel - . 2n = ?
Damp places.

Cyperus retrorsus Chapman - . 2n = ?
Open, sandy soil.



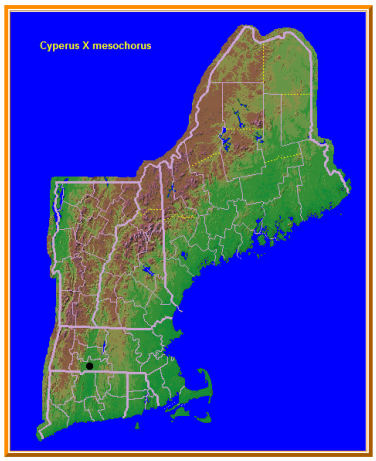


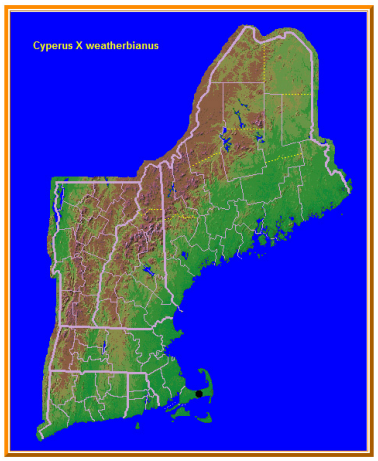


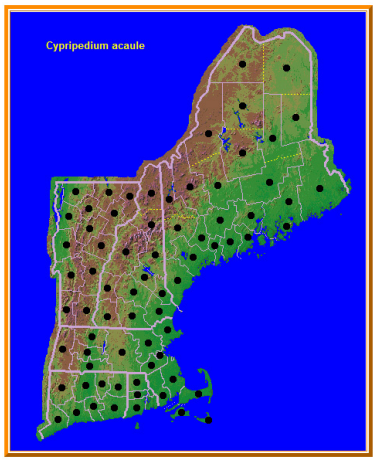
CYPERUS SCHWEINITZII Torrey - . 2n = 80, 166.
Sandy soil of shores, dunes, and open woods. From farther west.

Cyperus squarrosus Linnaeus - **Bristly Sedge**. 2n = ca. 94, 98, 108.
Damp sands, silts, alluvium, and disturbed soils. [*C. aristatus* Rottbøll - illegitimate name; *C. inflexus* Muhlenberg]

Cyperus strigosus Linnaeus - . 2n = ?
Shores, meadows, damp thickets and disturbed soils. [*C. strigosus* var. *robustior* Kunth]







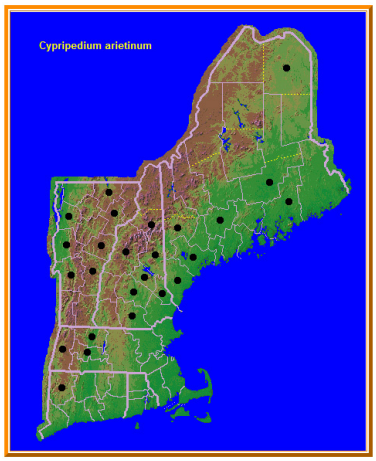
***Cyperus* hybrids**

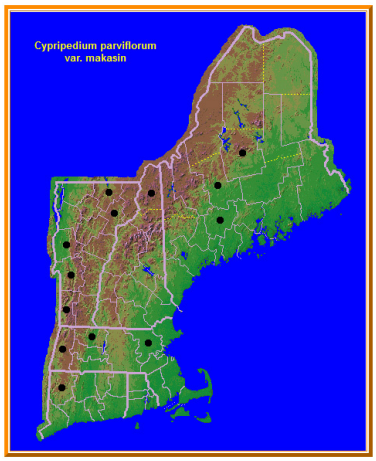
Cyperus X ***mesochorus*** Geise - .
[*C. lupulinus* (Sprengel) Marcks X *C. SCHWEINITZII* Torrey]

Cyperus X ***weatherbianus*** Fernald - .
[*C. dentatus* Torrey X *Rhynchospora capitellata* (Michaux) Vahl]

CYPRIPEDIUM (Family: Orchidaceae)

Cypripedium acaule Aiton - **Pink Lady's-slipper**. 2n = 20.
Dry woods, acid soils.

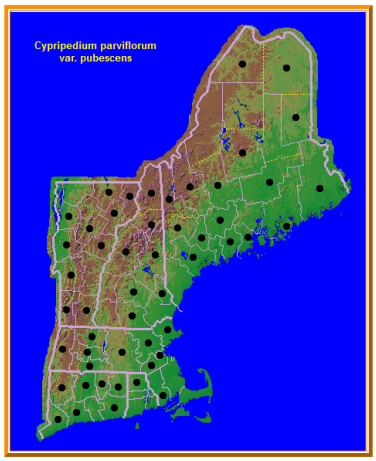


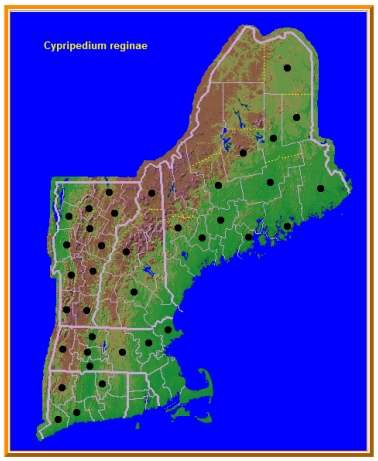


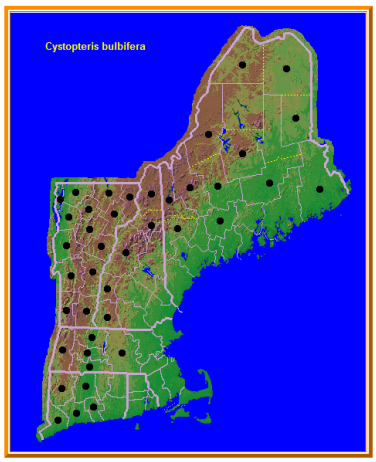
Cypripedium arietinum R. Brown - **Ram's-head Lady's-slipper**. 2n = 20.
Rich, damp woods, usually on hillsides, usually acid soils in coniferous woods.

Cypripedium parviflorum Salisbury var. ***parviflorum*** - **Small Yellow Lady's-slipper**. 2n = 20.
Rich, usually swampy, basic woods, bogs (chiefly basic), shores. [*C. calceolus* Linnaeus var. *parviflorum* (Salisbury) Fernald]
Note: Most specimens from New England labeled as this variety are actually var. *makasin*. The distributions mapped here are based on specimens at Harvard and specimens from Vermont at the University of Vermont.

Cypripedium parviflorum Salisbury var. ***makasin*** (Farwell) Sheviak - . 2n = 20.
Thuja bogs and fens.
Note: This relatively newly described taxon is not yet distinguished in some New England herbaria. The distributions mapped here are based on specimens at Harvard University, the University of New Hampshire and Vermont specimens at the University of Vermont.





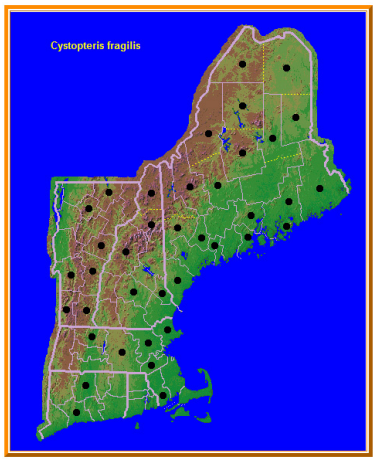


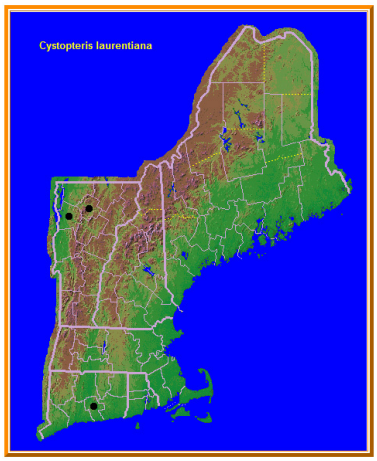
Cypripedium parviflorum Salisbury var. ***pubescens*** (Willdenow) O.W. Knight - **Large Yellow Lady's-slipper**. 2n = 20.
Rich woodlands. [*C. calceolus* Linnaeus var. *pubescens* (Willdenow) Correll]

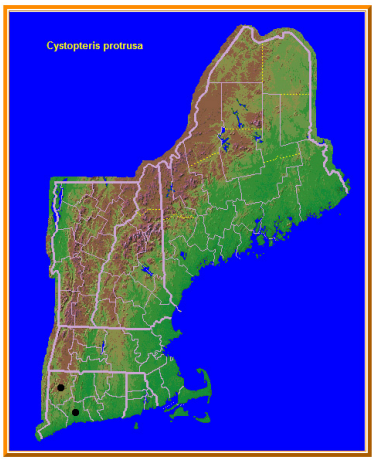
Cypripedium reginae Walter - **Showy Lady's-slipper**. 2n = 20, 22.
Bogs, swamps, swampy woods, in basic soils.

CYSTOPTERIS (Family: Woodsiaceae)

Cystopteris bulbifera (Linnaeus) Bernhardi - **Bulblet Fern**. 2n = (42), 84.
Calcareous, usually moist, ledges, steep banks, rocky slopes, and ravines.



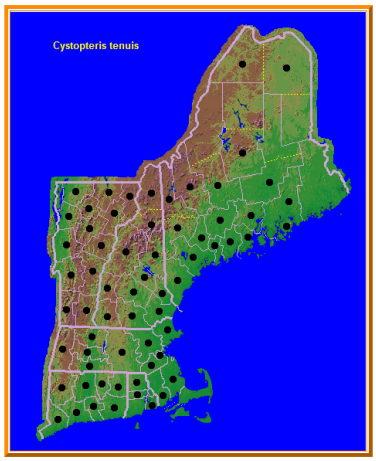


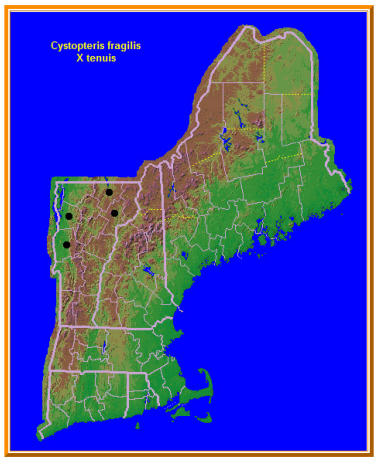


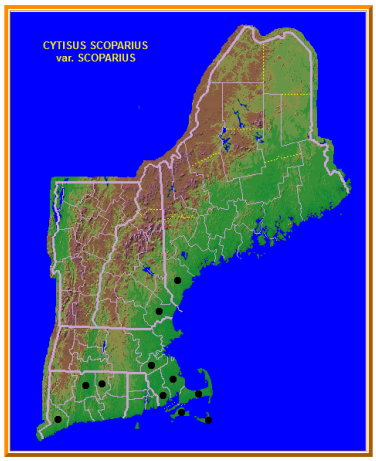
Cystopteris fragilis (Linnaeus) Bernhardi - **Fragile Fern**. 2n = (84), (126), 168, (252), (336).
Moist rocks, rocky (mostly wooded) slopes.

Cystopteris laurentiana (Weatherby) Blasdell - . 2n = 252.
Cliffs, often calcareous. [*C. fragilis* (Linnaeus) Bernhardi var. *laurentiana* Weatherby]

Cystopteris protrusa (Weatherby) Blasdell - **Southern Bladder Fern**. 2n = 84, (126).
Moist, often calcareous, wooded slopes, rocky banks, and alluvium. [*C. fragilis* (Linnaeus) Bernhardi var. *protrusa* Weatherby]







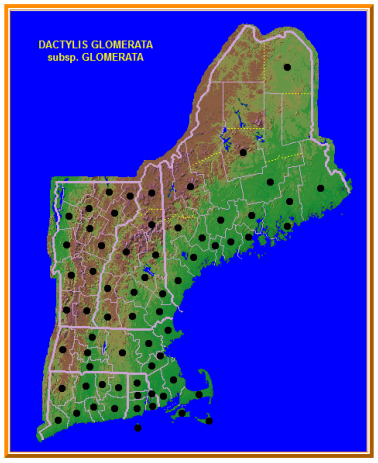
Cystopteris tenuis (Michaux) Desvaux - **Mackay's Fragile Fern**. 2n = 168.
Moist, shaded rocks, rocky (mostly wooded) slopes, alluvium, open woods. [*C. fragilis* (Linnaeus) Bernhardi var. *mackayi* G. Lawson]

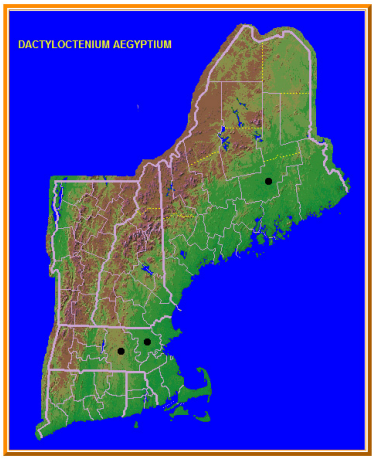
***Cystopteris* hybrid**

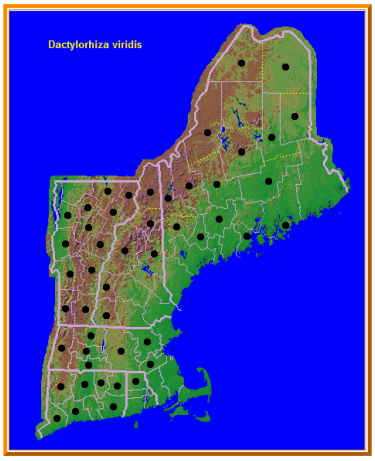
Cystopteris fragilis (Linnaeus) Bernhardi X ***C. tenuis*** (Michaux) Desvaux - .

CYTISUS (Family: Fabaceae)

CYTISUS SCOPARIUS (Linnaeus) Link var. ***SCOPARIUS*** - **Scot's Broom**. 2n = (24), 46, 48, (64).
Sandy fields, openings and roadsides, dunes, beaches. From Europe.







DACTYLIS (Family: Poaceae)

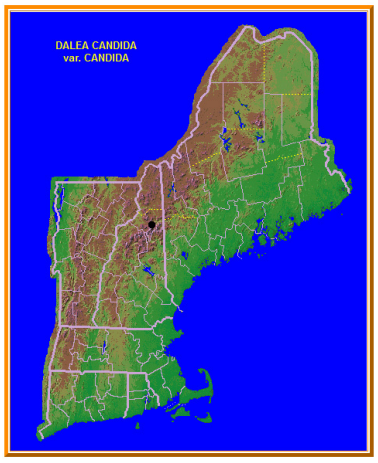
DACTYLIS GLOMERATA Linnaeus subsp. ***GLOMERATA*** - **Orchard-grass**. 2n = 14, 28, (35).
Roadsides, fields, orchards, waste places. From Europe. [*D. GLOMERATA* var. *CILIATA* Petermann; *D. GLOMERATA* var. *DETONSA* Fries]

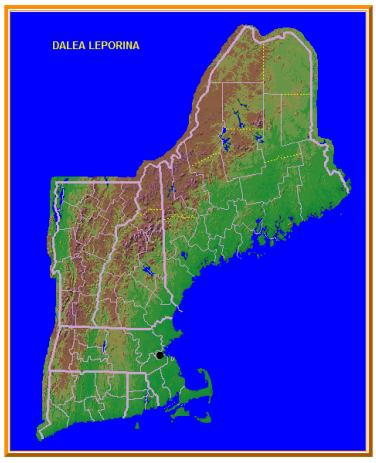
DACTYLOCTENIUM (Family: Poaceae)

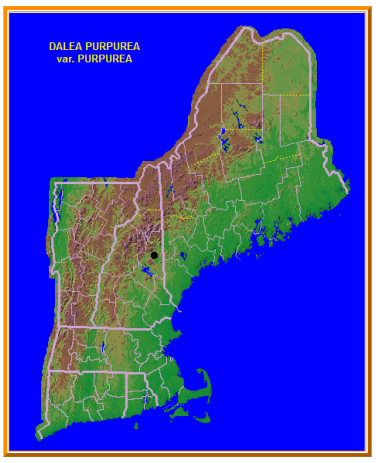
DACTYLOCTENIUM AEGYPTIUM (Linnaeus) Willdenow - **Crowfoot-grass**. 2n = (18), (20), (22), (24), (34), (36), (38), 40, (42), (44), 46, 48, (52).
Waste land. From the Old World tropics.

DACTYLORHIZA (Family: Orchidaceae)

Dactylorhiza viridis (Linnaeus) R.M. Bateman, Pridgeon & M.W. Chase - **Bracted Orchis**. 2n = 40, (41), (42), (80).
Rich, moist woods, thickets, meadows. [*Coeloglossum viride* (Linnaeus) Hartman var. *virescens* (Muhlenberg *ex* Willdenow) Luer; *Habenaria viridis* (Linnaeus) R. Brown var. *bracteata* (Muhlenberg *ex* Willdenow) A. Gray]





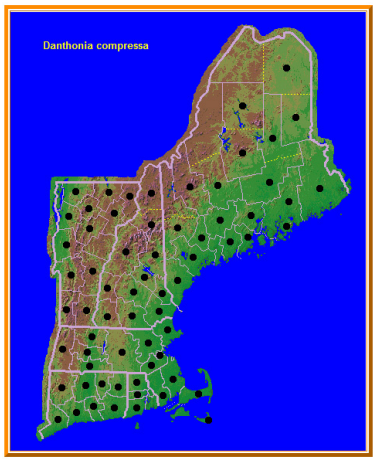


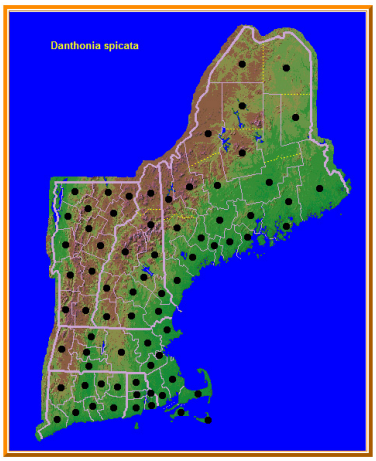
DALEA (Family: Fabaceae)

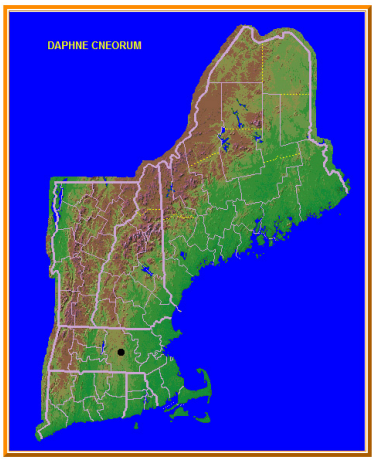
DALEA CANDIDA Willdenow var. ***CANDIDA*** - **White Prairie-clover**. 2n = 14.
Railroads. From farther west.

DALEA LEPORINA (Aiton) Bullock - **Foxtail Prairie-clover**. 2n = 14.
Rich, open soil, waste places. From farther west, Mexico, Central and South America.

DALEA PURPUREA Ventenat var. ***PURPUREA*** - **Purple Prairie-clover**. 2n = 14.
Sandy waste areas. From farther west.







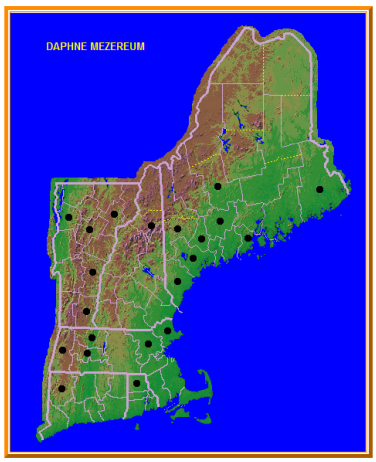
DANTHONIA (Family: Poaceae)

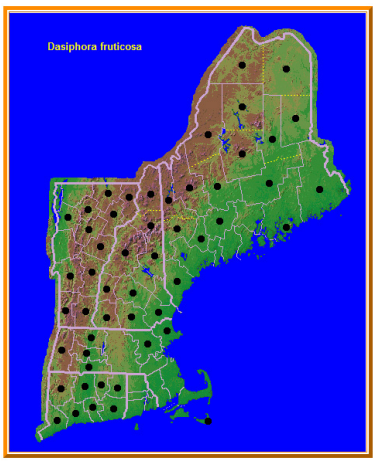
Danthonia compressa Austin - . 2n = 36.
Dry, open woodlands, clearings. [*D. alleni* Austin]

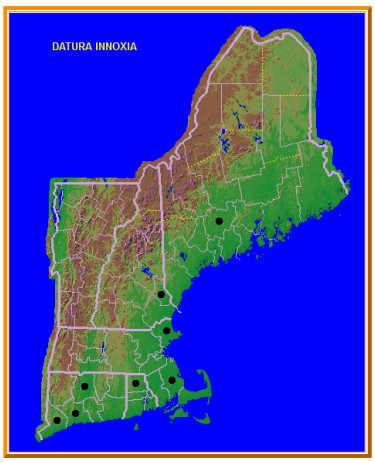
Danthonia spicata (Linnaeus) P. Beauvois *ex* Roemer & Schultes - **Poverty Oat-grass**. 2n = 36.
Dry, sterile soil. [*D. spicata* var. *longipila* Scribner & Merrill; *D. spicata* var. *pinetorum* Piper]

DAPHNE (Family: Thymelaeaceae)

DAPHNE CNEORUM Linnaeus - **Rose Daphne**. 2n = 18.
Dry, woodland roadside near cellar hole. From Europe.







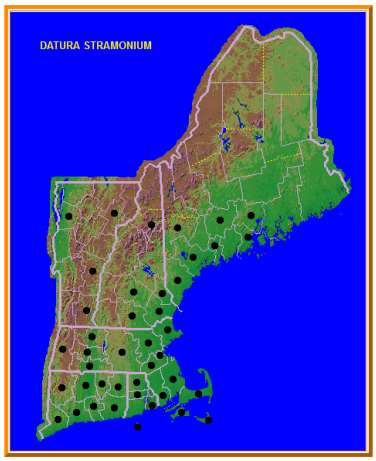
DAPHNE MEZEREUM Linnaeus - **Mezereon**. 2n = 18.
Roadsides, thickets, calcareous rocky knolls and hillsides, dry woods, fields. From Eurasia.

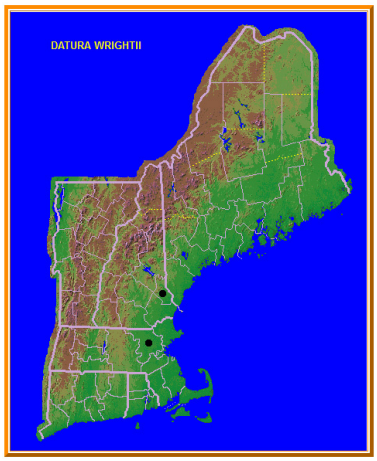
DASIPHORA (Family: Rosaceae)

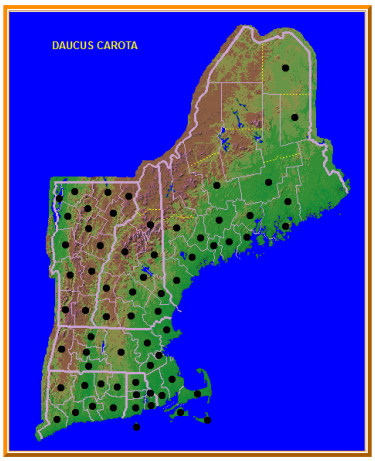
Dasiphora fruticosa (Linnaeus) Rydberg - **Shrubby Cinquefoil**. 2n = 14, 28, (42).
Meadows, swamps, fields, ledges, usually in calcareous soil. [*D. fruticosa* subsp. *floribunda* (Pursh) Kartesz; *Pentaphylloides floribunda* (Pursh) Á. Löve - illegitimate name; *Potentilla fruticosa* Linnaeus]

DATURA (Family: Solanaceae)

DATURA INNOXIA Miller - **Downy Thorn-apple**. 2n = 24, (48).
Waste places, roadsides, railroads. From Texas, Mexico, Central America, Caribbean, South America.





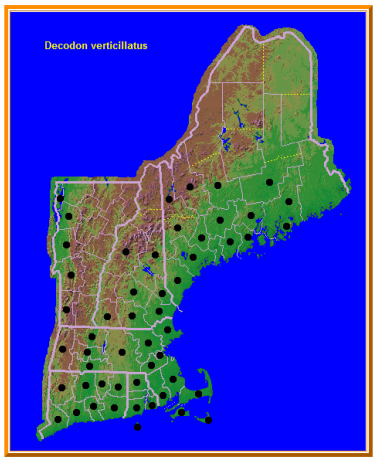


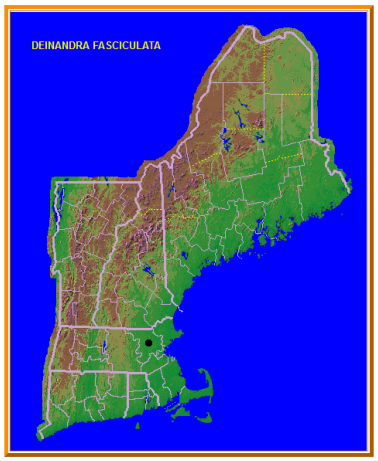
DATURA STRAMONIUM Linnaeus - **Jimsonweed**. 2n = 24, (36), (48).
Waste places, roadsides, fields. From Mexico and perhaps elsewhere in the Americas. [*D. STRAMONIUM* var. *TATULA* (Linnaeus) Torrey]

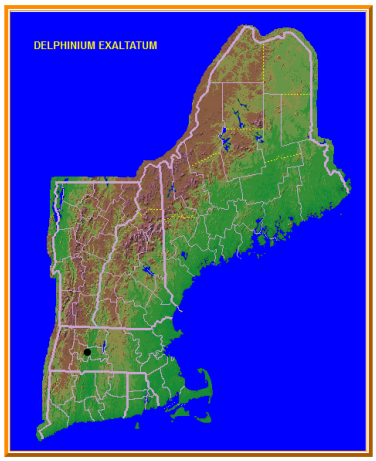
DATURA WRIGHTII Regel - **Sacred Thorn-apple**. 2n = 24.
Waste places. From farther west.

DAUCUS (Family: Apiaceae)

DAUCUS CAROTA Linnaeus - **Queen Anne's-lace**. 2n = 18, (22), (36), (54).
Dry fields, waste places, roadsides. From Eurasia, northwestern Africa.







DECODON (Family: Lythraceae)

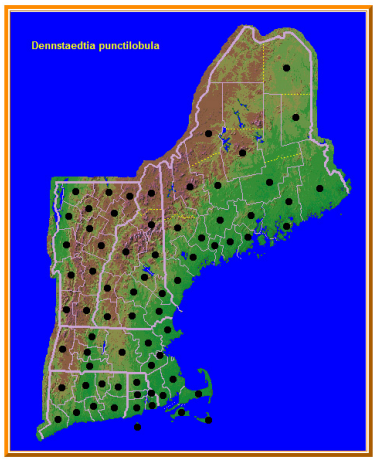
Decodon verticillatus (Linnaeus) Elliott - **Swamp Loosestrife**. 2n = 32.
Pond and bog margins, shores, swamps, usually in shallow water. [*D. verticillatus* var. *laevigatus* Torrey & A. Gray]

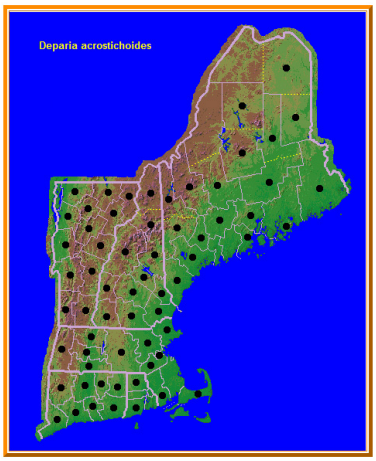
DEINANDRA (Family: Asteraceae)

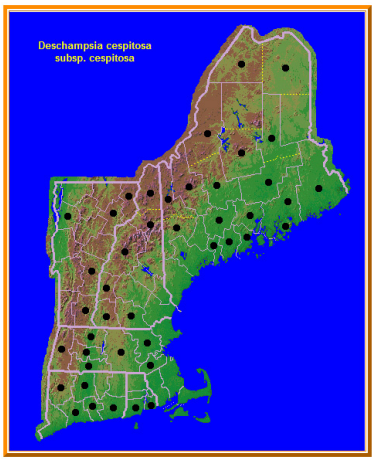
DEINANDRA FASCICULATA (de Candolle) Greene - . 2n = 24.
Wool waste. From farther west. [*HEMIZONIA FASCICULATA* (de Candolle) Torrey & A. Gray; *H. FASCICULATA* subsp. *RAMOSISSIMA* (Bentham) D.D. Keck; *H. RAMOSISSIMA* Bentham]

DELPHINIUM (Family: Ranunculaceae)

DELPHINIUM EXALTATUM Aiton - **Tall Larkspur**. 2n = ?
Roadsides. From farther south and west.







DENNSTAEDTIA (Family: Dennstaedtiaceae)

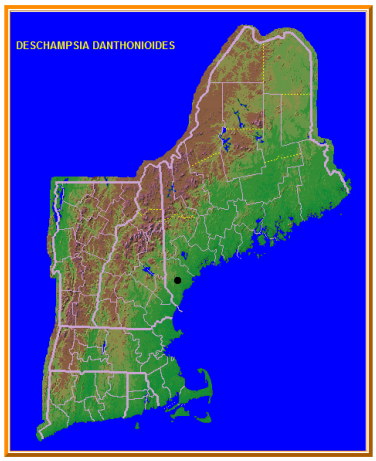
Dennstaedtia punctilobula (Michaux) T. Moore - **Hay-scented Fern**. 2n = 68.
Open woods, roadsides, stream banks, pastures and rocky slopes in sterile soils.

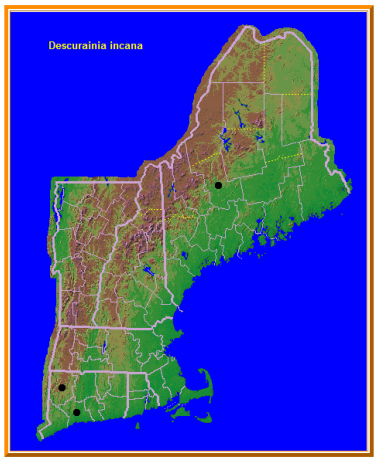
DEPARIA (Family: Dryopteridaceae)

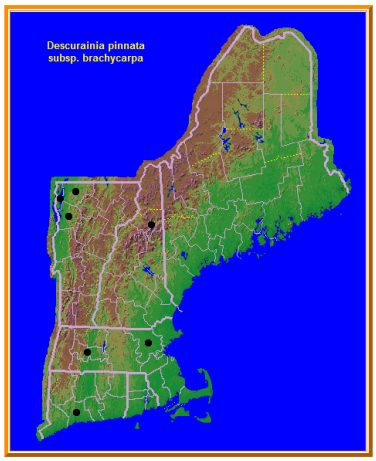
Deparia acrostichoides (Swartz) M. Kato - **Silvery Spleenwort**. 2n = 80.
Rich moist woods, bottom lands, shaded slopes. [*Athyrium thelypterioides* (Michaux) Desvaux; *Diplazium acrostichoides* (Swartz) Butters]

DESCHAMPSIA (Family: Poaceae)

Deschampsia cespitosa (Linnaeus) P. Beauvois subsp. ***cespitosa*** - **Tufted Hairgrass**. 2n = (14), (18), (21), (24), 26, (28), (49), 52, (56).
Meadows, fields, riverbanks, gravelly shores. [*D. cespitosa* var. *glauca* (Hartman) Lindman (son) - illegitimate name; *D. CESPITOSA* var. *PARVIFLORA* (Thuiller) Cosson & Germain de Saint Pierre (a cultivar of the typical taxon)]





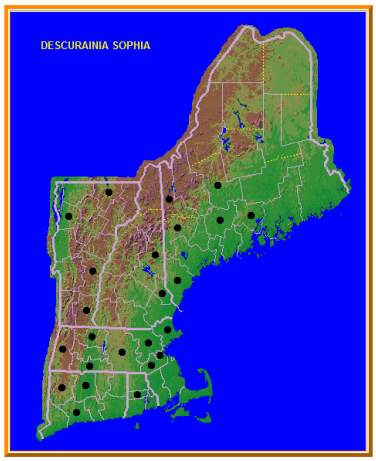


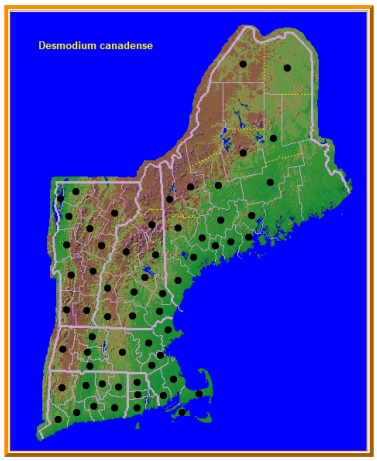
DESCHAMPSIA DANTHONIOIDES (Trinius) Munro - **Annual Hairgrass**. 2n = 26.
Wool waste. From farther west.

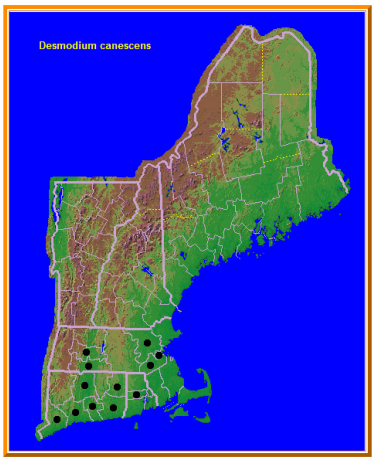
DESCURAINIA (Family: Brassicaceae)

Descurainia incana (Bernhardi *ex* Fischer & C.A. Meyer) Dorn - **Mountain Tansy-mustard**. 2n = 14, (28), (42).
Calcareous gravels, roadsides. [*D. richardsonii* O.E. Schulz - illegitimate name]

Descurainia pinnata (Walter) Britton subsp. ***brachycarpa*** (Richardson) Detling - **Green Tansymustard**. 2n = 14, 28.
Roadsides, waste places, dry, rocky or sandy soils.





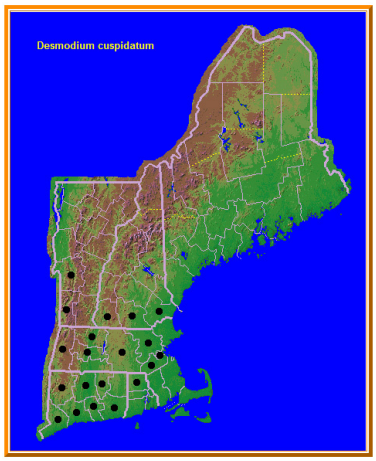


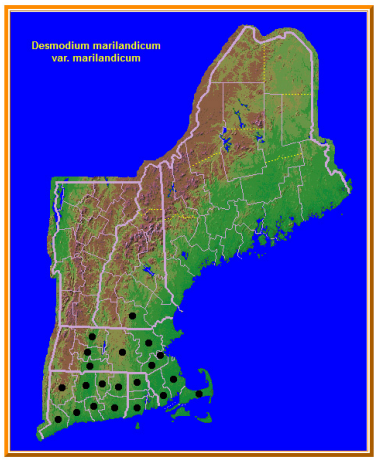
DESCURAINIA SOPHIA (Linnaeus) Webb *ex* Prantl - **Flixweed**. 2n = (12), (14), (20), 28, (56).
Roadsides, waste places. From Eurasia.

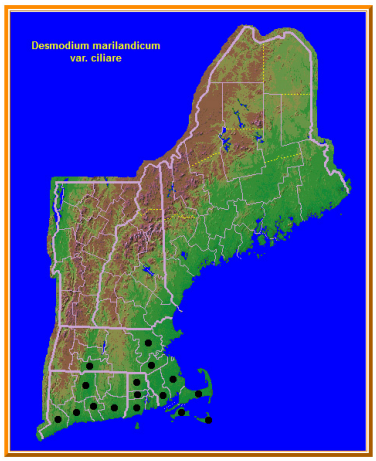
DESMODIUM (Family: Fabaceae)

Desmodium canadense (Linnaeus) de Candolle - **Showy Tick-trefoil**. 2n = 22.
Thickets, fields, open woods, meadows, riverbanks, sandy, open soil, roadsides, railroads, waste places.

Desmodium canescens (Linnaeus) Poiret - . 2n = ?
Dry, sandy woods, fields, thickets, roadsides and waste areas.



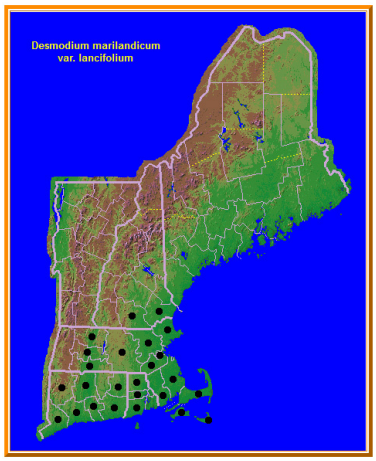


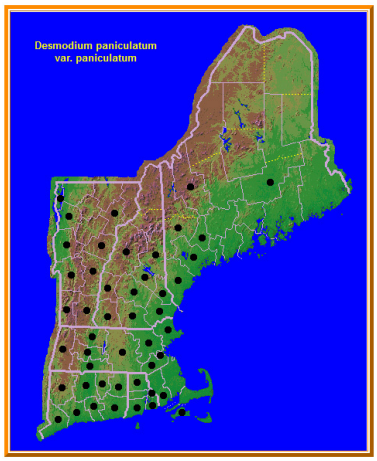


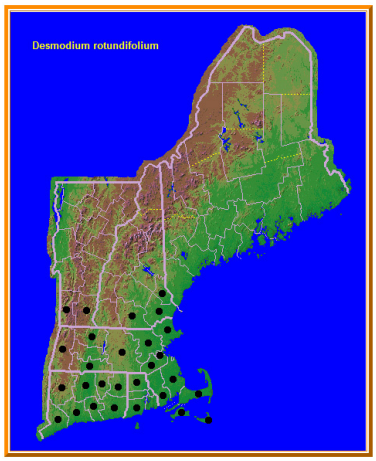
Desmodium cuspidatum (Muhlenberg *ex* Willdenow) de Candolle *ex* G. Don - . 2n = 22.
Rocky, rich, open woods.

Desmodium marilandicum (Linnaeus) de Candolle var. ***marilandicum*** - . 2n = ?
Dry, open, rocky or sandy woods, fields, roadsides.

Desmodium marilandicum (Linnaeus) de Candolle var. ***ciliare*** (Muhlenberg *ex* Willdenow) H. Ohashi - . 2n = (20), 22.
Dry, often sandy, woods and clearings. [*D. ciliare* (Muhlenberg *ex* Willdenow) de Candolle]



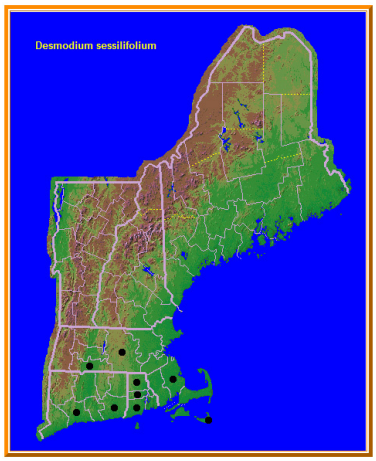


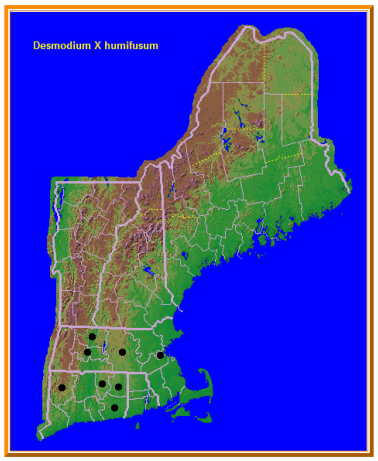


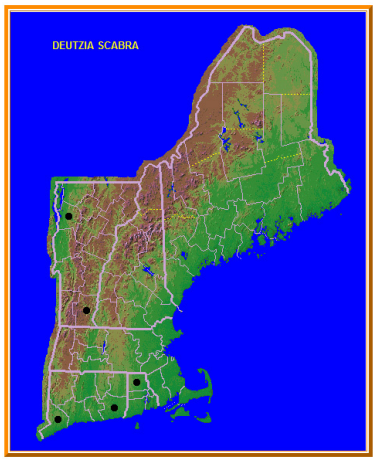
Desmodium marilandicum (Linnaeus) de Candolle var. ***lancifolium*** (Fernald & B.G. Schubert) H. Ohashi - . 2n = ?
Dry, sandy or rocky, open woods. [*D. obtusum* (Muhlenberg *ex* Willdenow) de Candolle; *D. rigidum* (Elliott) de Candolle]

Desmodium paniculatum (Linnaeus) de Candolle var. ***paniculatum*** - . 2n = 22.
Dry, open, often rocky or sandy woods, dry, woodland borders, thickets, clearings, fields, roadsides. [*D. dillenii* Darlington; *D. glabellum* (Michaux) de Candolle; *D. perplexum* B.G. Schubert]

Desmodium rotundifolium de Candolle - . 2n = 22.
Dry, often rocky, woods, clearings, fields, woodland margins, fields, roadsides.







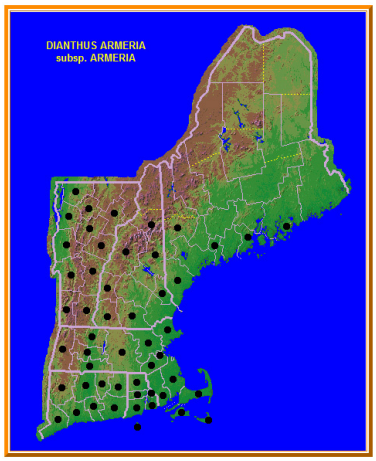
Desmodium sessilifolium Torrey & A. Gray - . 2n = ?
Dry, sandy soils, roadsides, railroads.

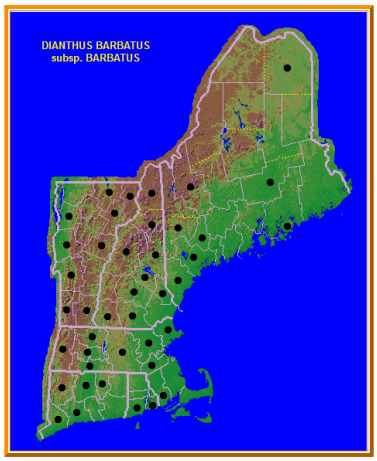
***Desmodium* hybrid**

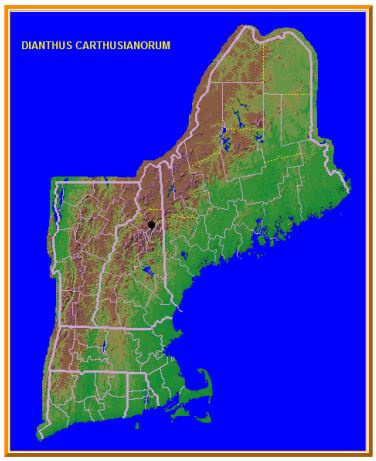
Desmodium X ***humifusum*** (Muhlenberg *ex* Bigelow) L.C. Beck - .
[*D. paniculatum* (Linnaeus) de Candolle X *D. rotundifolium* de Candolle]

DEUTZIA (Family: Hydrangeaceae)

DEUTZIA SCABRA Thunberg - . 2n = 26, 130.
Waste places, roadsides, cemeteries, thickets, woodlands, streambanks. From Japan.





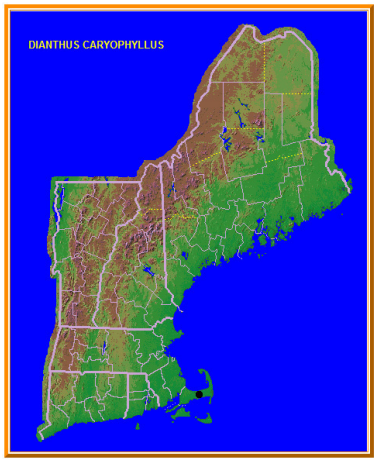


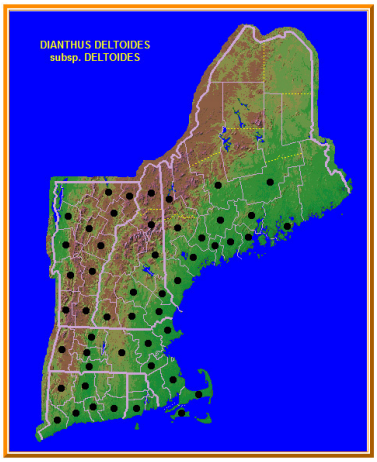
DIANTHUS (Family: Caryophyllaceae)

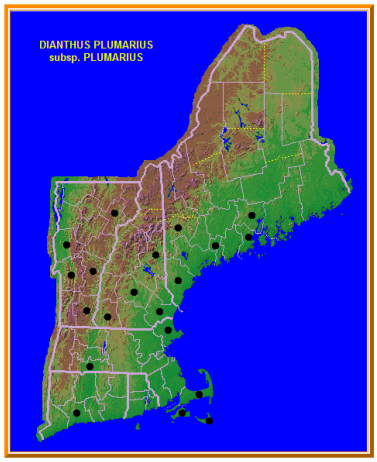
DIANTHUS ARMERIA Linnaeus subsp. ***ARMERIA*** - **Deptford Pink**. 2n = 30.
Roadsides, dry, grassy fields. From Eurasia.

DIANTHUS BARBATUS Linnaeus subsp. ***BARBATUS*** - **Sweet William**. 2n = 30.
Waste places, roadsides, fields. From Europe.

DIANTHUS CARTHUSIANORUM Linnaeus - **Clusterhead Pink**. 2n = 30, (60).
Disturbed ground, fields. From Europe.



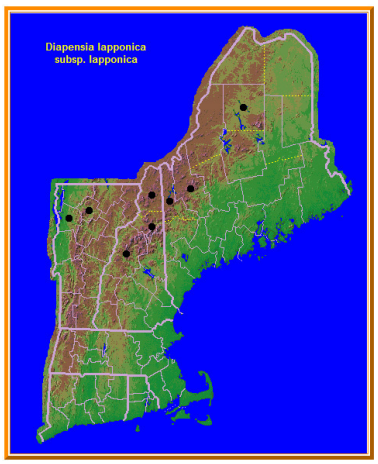


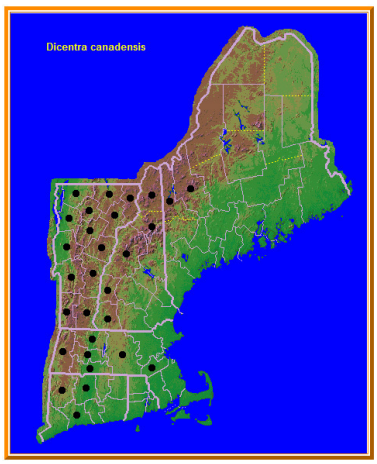


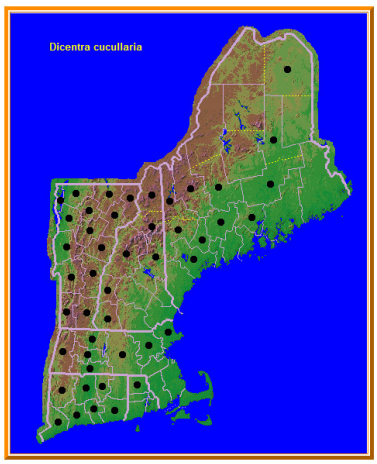
DIANTHUS CARYOPHYLLUS Linnaeus - **Clove Pink**. 2n = 30, (60).
From Mediterranean region.

DIANTHUS DELTOIDES Linnaeus subsp. ***DELTOIDES*** - **Maiden Pink**. 2n = 30, (60).
Fields, roadsides, waste places. From Europe.

DIANTHUS PLUMARIUS Linnaeus subsp. ***PLUMARIUS*** - **Garden Pink**. 2n = 30, 60, 90.
Dry, sandy fields, roadsides. From eastern Europe.







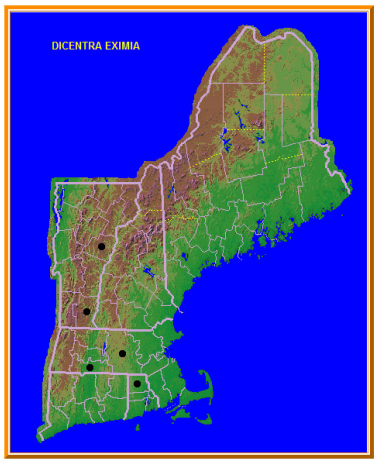
DIAPENSIA (Family: Diapensiaceae)

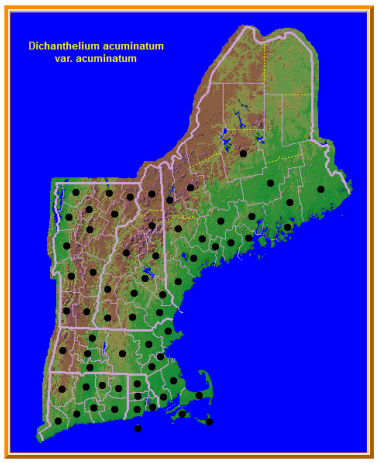
Diapensia lapponica Linnaeus subsp. ***lapponica*** - **Diapensia**. 2n = 12.
Bare, rocky alpine summits or other open, rocky sites at high altitudes.

DICENTRA (Family: Papaveraceae)

Dicentra canadensis (Goldie) Walpers - **Squirrel-corn**. 2n = 64.
Rich woods.

Dicentra cucullaria (Linnaeus) Bernhardi - **Dutchman's-breeches**. 2n = 32, ca. 48.
Rich woods, often along rivers, in calcareous soil.



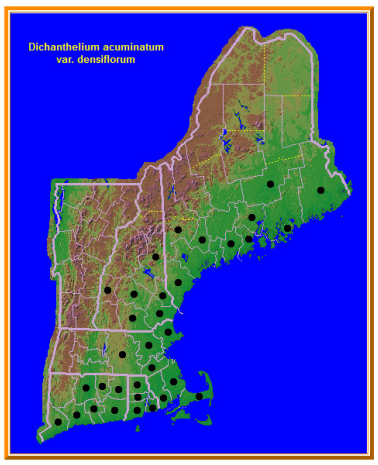


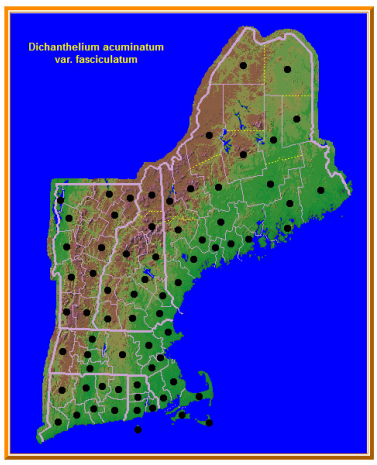
DICENTRA EXIMIA (Ker Gawler) Torrey - **Eastern Bleeding Heart**. 2n = 16, (18).
Moist soil, brooksides, roadsides. From farther south.

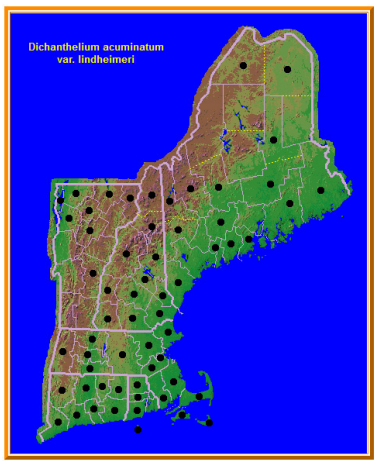
DICENTRA FORMOSA (Andrews) Walters subsp. ***FORMOSA*** - **Pacific Bleeding Heart**. 2n = 16, (24), 32.
From the Pacific coast.

DICHANTHELIUM (Family: Poaceae)

Dichanthelium acuminatum (Swartz) Gould & C.A. Clark var. ***acuminatum*** - . 2n = 18.
Dry sand, beaches, open habitats, sandy woods (damp or dry), damp meadows, salt marshes. [*Panicum acuminatum* Swartz var. *acuminatum*; *P. addisonii* Nash; *P. albemarlense* Ashe; *P. auburne* Ashe; *P. columbianum* var. *oricola* (Hitchcock & Chase) Fernald; *P. columbianum* var. *thinium* Hitchcock & Chase; *P. commonsianum* Ashe var. *commonsianum*; *P. commonsianum* var. *addisonii* (Nash) Fernald; *P. implicatum* Scribner; *P. lanuginosum* Elliott; *P. lanuginosum* var. *implicatum* (Scribner) Fernald; *P. lanuginosum* var. *septentrionale* Fernald; *P. lanuginosum* var. *tennesseense* (Ashe) Gleason; *P. meridionale* Ashe; *P. meridionale* var. *albemarlense* (Ashe) Fernald; *P. ovale* Elliott var. *pseudopubescens* (Nash) Lelong; *P. pseudopubescens* Nash; *P. subvillosum* Ashe; *P. tennesseense* Ashe; *P. villosissimum* Nash; *P. villosissimum* Nash var. *pseudopubescens* (Nash) Fernald]



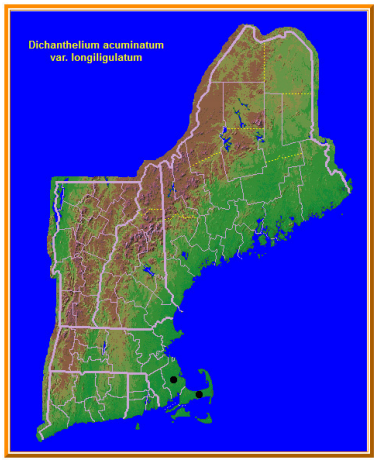


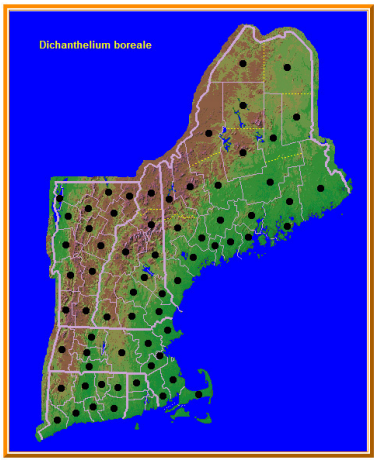


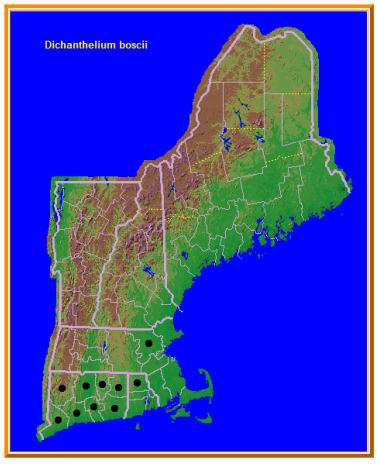
Dichanthelium acuminatum (Swartz) Gould & C.A. Clark var. ***densiflorum*** (E.L. Rand & Redford) Gould & C.A. Clark - . 2n = 18.
Shores, meadows. [*Panicum spretum* Schultes]

Dichanthelium acuminatum (Swartz) Gould & C.A. Clark var. ***fasciculatum*** (Torrey) Freckmann - . 2n = 18.
Thin, dry woodlands, dry or moist sterile soil in the open. [*Panicum acuminatum* Swartz var. *fasciculatum* (Torrey) Beetle; *P. huachucae* Ashe var. *fasciculatum* (Torrey) F.T. Hubbard; *P. lanuginosum* Elliott var. *fasciculatum* (Torrey) Fernald]

Dichanthelium acuminatum (Swartz) Gould & C.A. Clark var. ***lindheimeri*** (Nash) Gould & C.A. Clark - . 2n = 18.
Thin, dry woodlands, dry or moist sterile soil in the open. [*Panicum acuminatum* Swartz var. *lindheimeri* (Nash) Beetle; *P. lanuginosum* Elliott var. *lindheimeri* (Nash) Fernald; *P. lindheimeri* Nash]



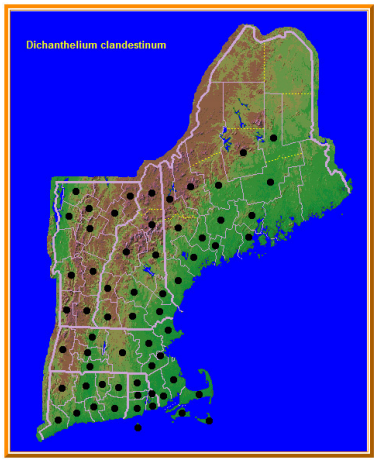


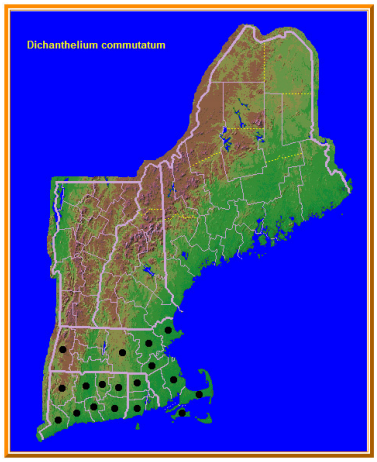


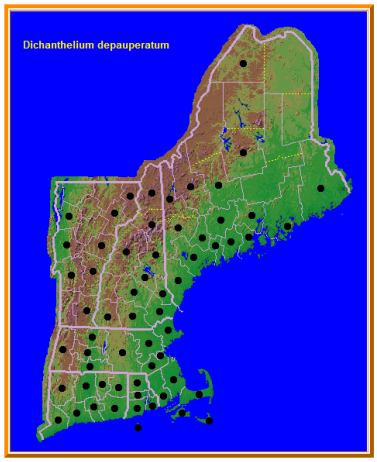
Dichanthelium acuminatum (Swartz) Gould & C.A. Clark var. ***longiligulatum*** (Nash) Gould & C.A. Clark - . 2n = 18.
Pond shores. [*Panicum wrightianum* Scribner]

Dichanthelium boreale (Nash) Freckmann - . 2n = 18.
Shores, meadows, moist woods, fields. [*Panicum boreale* Nash; *P. bicknellii* Nash var. *bicknellii*; *P. bicknellii* var. *calliphyllum* (Ashe) Gleason; *P. calliphyllum* Ashe]

Dichanthelium boscii (Poiret) Gould & C.A. Clark - . 2n = 18, 36.
Dry woods. [*Panicum boscii* Poiret; *P. boscii* var. *molle* (Vasey) Hitchcock & Chase]



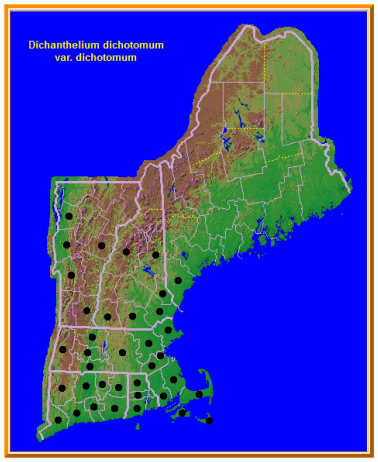


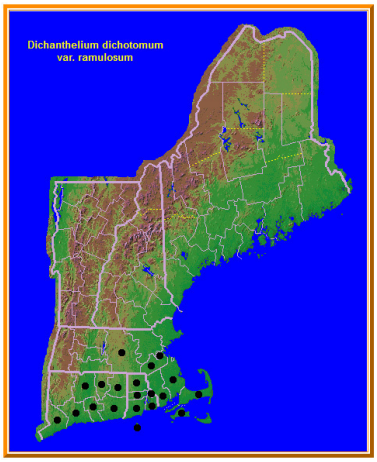


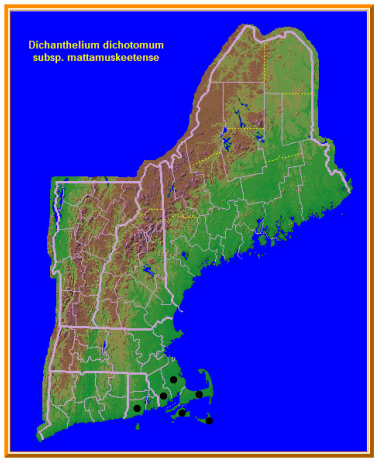
Dichanthelium clandestinum (Linnaeus) Gould - . 2n = 36, (40).
Thickets, shores, alluvial woods borders. [*Panicum clandestinum* Linnaeus]

Dichanthelium commutatum (Schultes) Gould - . 2n = 18, (36).
Dry, open woods, open sandy or rocky places. [*Panicum ashei* T.G. Pearson *ex* Ashe; *P. commutatum* Schultes var. *commutatum*; *P. commutatum* var. *ashei* (T.G. Pearson *ex* Ashe) Fernald; *P. divergens* Kunth]

Dichanthelium depauperatum (Muhlenberg) Gould - . 2n = 18.
Dry or sandy soil, open woods. [*Panicum depauperatum* Muhlenberg; *P. depauperatum* var. *involutum* (Torrey) Alph. Wood; *P. depauperatum* var. *psilophyllum* Fernald]



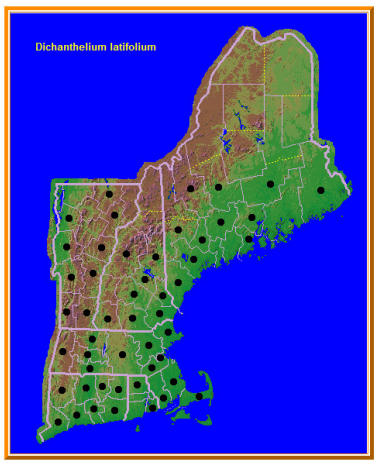


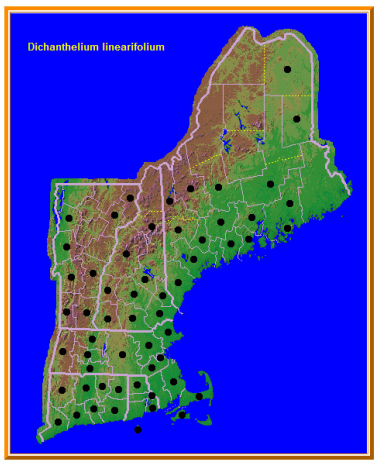


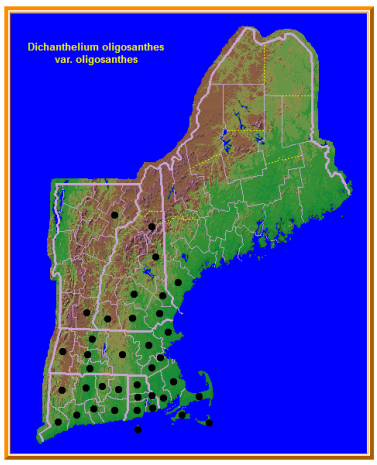
Dichanthelium dichotomum (Linnaeus) Gould var. ***dichotomum*** - . 2n = 18.
Dry, open or rocky woods. [*Panicum annulum* Ashe; *P. annulum* Ashe var. *glabrescens* Gleason; *P. clutei* Nash; *P. dichotomum* Linnaeus var. *dichotomum*; *P. dichotomum* var. *barbulatum* (Michaux) Alph. Wood; *P. barbulatum* Michaux; *P. dichotomum* var. *lucidum* (Ashe) Lelong; *P. lucidum* Ashe; *P. mattamuskeetense* Ashe var. *clutei* (Nash) Fernald]

Dichanthelium dichotomum (Linnaeus) Gould var. ***ramulosum*** (Torrey) Leblond - . 2n = 18.
Woodlands, openings. [*Panicum microcarpon* Muhlenberg *ex* Elliott; *P. nitidum* Lamarck var. *ramulosum* Torrey]

Dichanthelium dichotomum (Linnaeus) Gould subsp. ***mattamuskeetense*** (Ashe) Freckmann & Lelong - . 2n = 18, 32.
[*P. dichotomum* Linnaeus var. *mattamuskeetense* (Ashe) Lelong; *P. mattamuskeetense* Ashe]



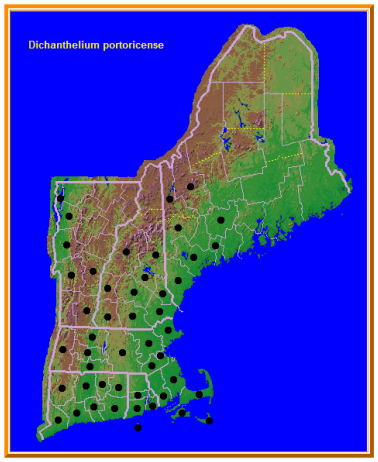


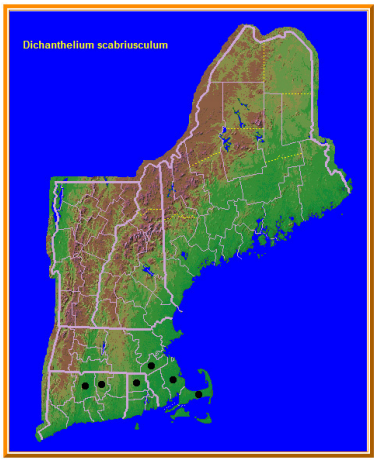


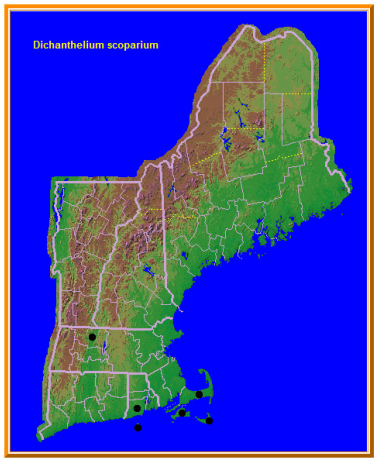
Dichanthelium latifolium (Linnaeus) Harvill - . 2n = 18, 36.
Open, usually dry, woods. [*Panicum latifolium* Linnaeus]

Dichanthelium linearifolium (Scribner) Gould - . 2n = 18.
Dry soil, open woods, slopes. [*Panicum linearifolium* Scribner; *P. linearifolium* var. *werneri* (Scribner) Fernald; *P. werneri* Scribner]

Dichanthelium oligosanthes (Schultes) Gould var. ***oligosanthes*** - . 2n = 18.
Dry, open soil. [*Panicum oligosanthes* Schultes var. *oligosanthes*; *P. oligosanthes* var. *scribnerianum* (Nash) Fernald; *P. scribnerianum* Nash]



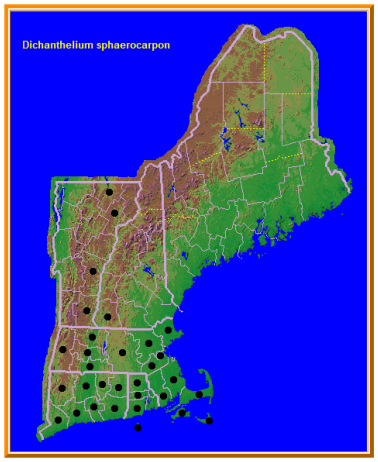


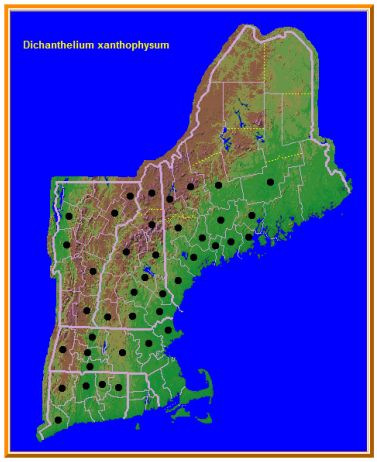


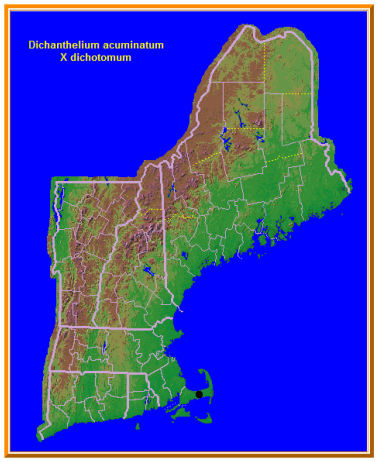
Dichanthelium portoricense (Desvaux *ex* Hamilton) B.F. Hansen & Wunderlin - . 2n = 18.
Sandy open ground, thin woods. [*Panicum columbianum* Scribner; *P. tsugetorum* Nash]

Dichanthelium scabriusculum (Elliott) Gould & C.A. Clark - . 2n = 18.
Moist open ground. [*Panicum aculeatum* Hitchcock & Chase; *P. recognitum* Fernald; *P. scabriusculum* Elliott]

Dichanthelium scoparium (Lamarck) Gould - **Velvet Panic-grass**. 2n = 18.
Damp soil. [*Panicum scoparium* Lamarck]





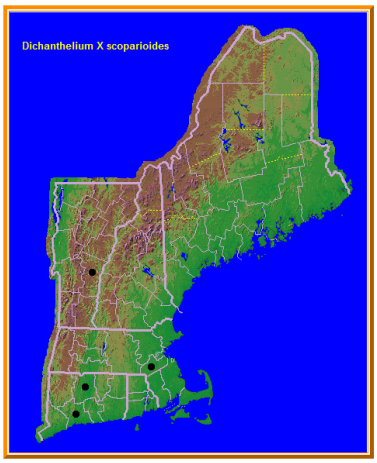


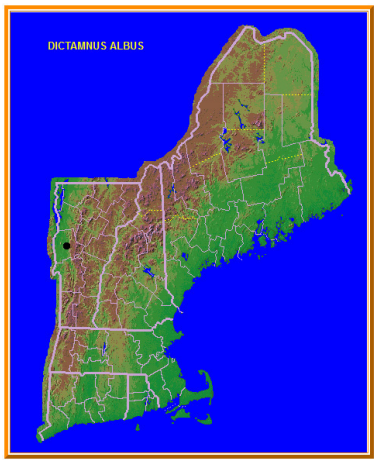
Dichanthelium sphaerocarpon (Elliott) Gould - . 2n = 18.
Dry fields and woods, beaches. [*Panicum sphaerocarpon* Elliott]

Dichanthelium xanthophysum (A. Gray) Freckmann - . 2n = 36.
Sandy, open woods and clearings. [*Panicum xanthophysum* A. Gray]

Dichanthelium hybrids

Dichanthelium acuminatum (Swartz) Gould & C.A. Clark X ***D. dichotomum*** (Linnaeus) Gould - .



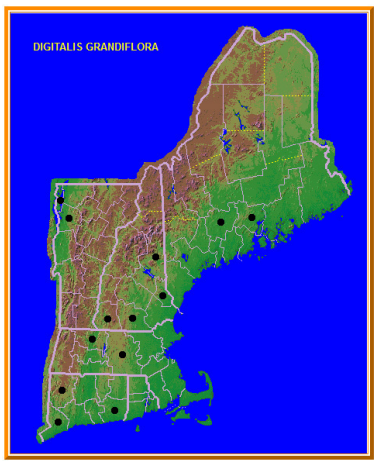


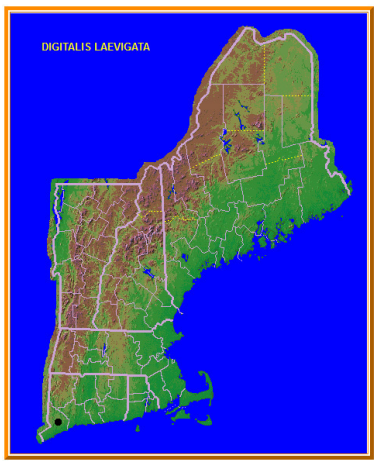
Dichanthelium dichotomum (Linnaeus) Gould X ***D. latifolium*** (Linnaeus) Harvill - .

Dichanthelium X ***scoparioides*** (Ashe) Mohlenbrock (*pro species*) - .
Open woods. [*D. acuminatum* (Swartz) Gould & C.A. Clark X *D. oligosanthes* (Schultes) Gould; *Panicum villosissimum* Nash var. *scoparioides* (Ashe) Fernald]

DICTAMNUS (Family: Rutaceae)

DICTAMNUS ALBUS Linnaeus - **Gas Plant**. 2n = (30), 36, (72).
Ledges, woodlands. From Eurasia.





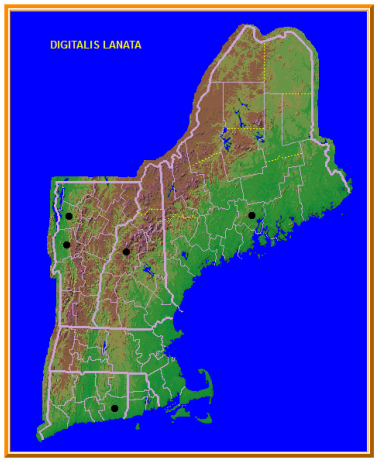
DIERVILLA (Family: Caprifoliaceae)

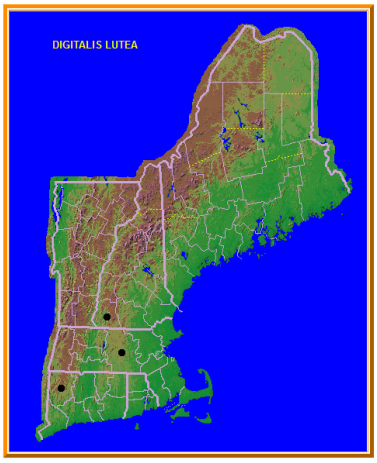
Diervilla lonicera Miller - **Bush-Honeysuckle**. 2n = 18, 36.
Dry woods, clearings, thickets, woodland margins, rocky places.

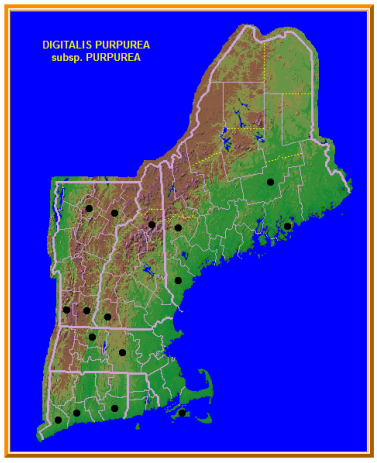
DIGITALIS (Family: Plantaginaceae)

DIGITALIS GRANDIFLORA Miller - **Yellow Foxglove**. 2n = 56.
Fields, waste places, roadsides, open woods, thickets, woodland margins. From Eurasia. [*D. AMBIGUA* Murray]

DIGITALIS LAEVIGATA Waldstein & Kitaibel - . 2n = 56.
Woodland margins. From Balkan Europe.



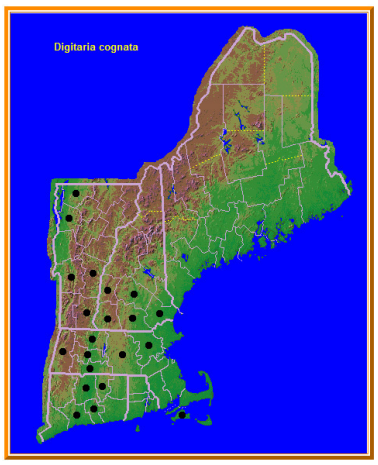


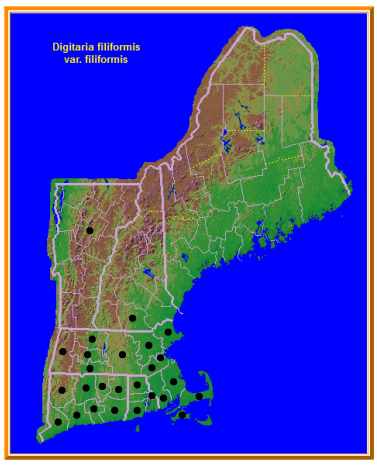


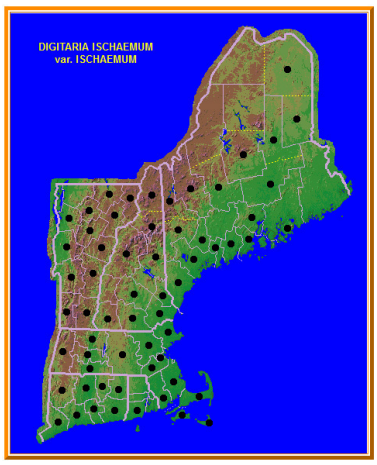
DIGITALIS LANATA Ehrhart - **Grecian Foxglove**. 2n = (48), 56.
Fields, roadsides, waste places. From Eurasia.

DIGITALIS LUTEA Linnaeus - **Straw Foxglove**. 2n = (16), 96, 56, 112.
Roadsides, waste places. From Europe.

DIGITALIS PURPUREA Linnaeus subsp. ***PURPUREA*** - **Common Foxglove**. 2n = (48), 56, (112).
Waste places, roadsides, fields, woodland margins. From Europe, northwestern Africa.





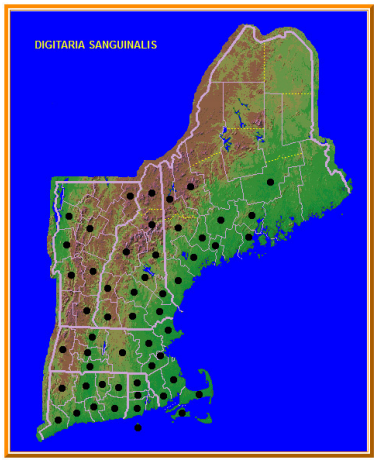


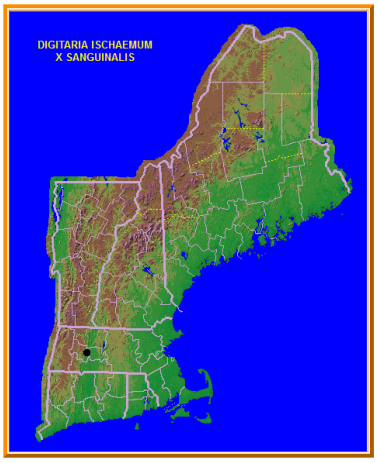
DIGITARIA (Family: Poaceae)

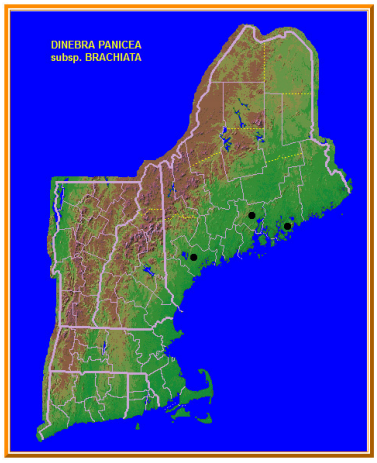
Digitaria cognata (Schultes) Pilger - **Fall Witchgrass**. 2n = 36, (70), 72.
Dry, sandy soil near rivers. [*Leptoloma cognatum* (Schultes) Chase]

Digitaria filiformis (Linnaeus) Koeler var. ***filiformis*** - **Slender Crabgrass**. 2n = 36, 54.
Dry, gravelly or sandy, open soil.

DIGITARIA ISCHAEMUM (Schreber) Muhlenberg var. ***ISCHAEMUM*** - **Smooth Crabgrass**. 2n = 18, 36, (45).
Rail yards, dry, sandy soil, waste ground. From Eurasia.







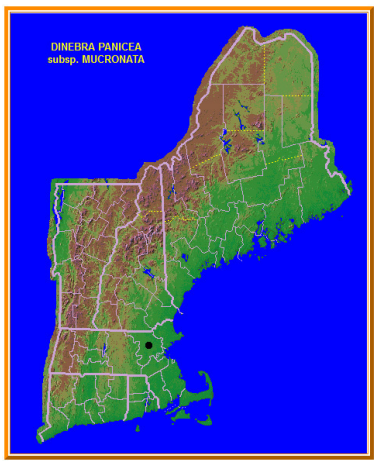
DIGITARIA SANGUINALIS (Linnaeus) Scopoli - **Common Crabgrass**. 2n = (18), (28), 36, (54), (72), (76).
Yards, gardens, waste places, roadsides. From Europe.

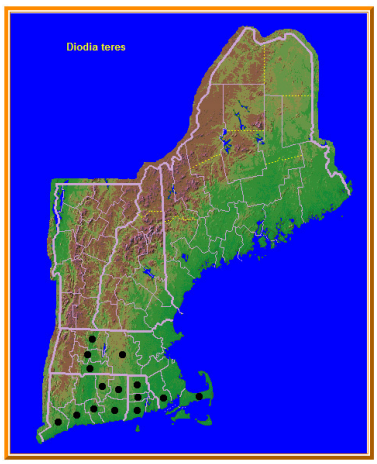
***Digitaria* hybrid**

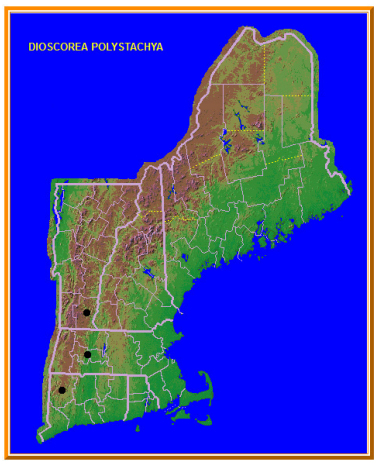
DIGITARIA ISCHAEMUM (Schreber) Muhlenberg X ***D. SANGUINALIS*** (Linnaeus) Scopoli - .

DINEBRA (Family: Poaceae)

DINEBRA PANICEA (Retzius) P.M. Peterson & N. Snow subsp. ***BRACHIATA*** (Steudel) P.M. Peterson & N. Snow - . 2n = 20.
Fields. From farther south. [*LEPTOCHLOA PANICEA* (Retzius) Ohwi subsp. *BRACHIATA* (Steudel) N. Snow]







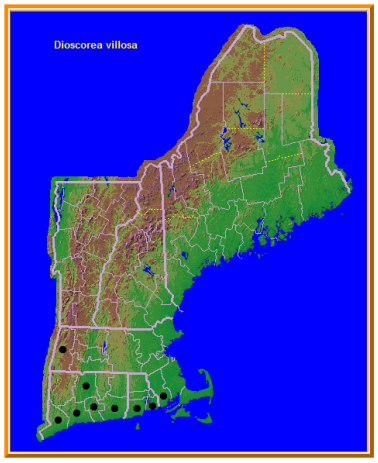
DINEBRA PANICEA (Retzius) P.M. Peterson & N. Snow subsp. ***MUCRONATA*** (Michaux) P.M. Peterson & N. Snow - **Red Sprangletop**. 2n = 20, (40).
Fields. From farther south. [*LEPTOCHLOA FILIFORMIS* - misapplied; *L. MUCRONATA* (Michaux) Kunth; *L. PANICEA* (Retzius) Ohwi subsp. *MUCRONATA* (Michaux) Nowack]

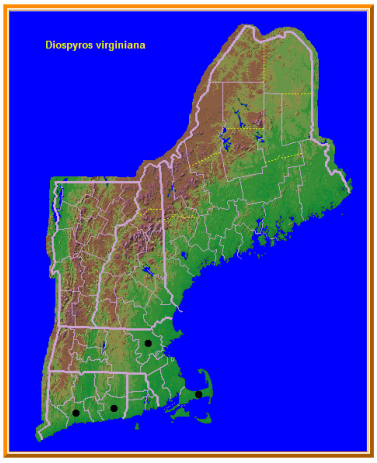
DIODIA (Family: Rubiaceae)

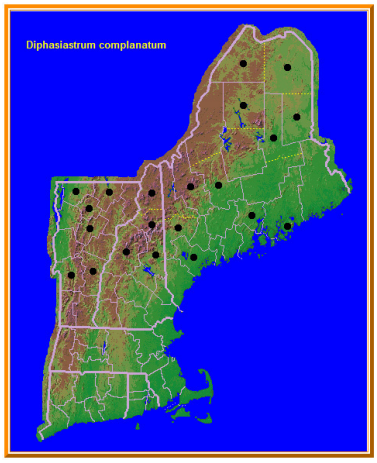
Diodia teres Walter - **Poor-joe**. 2n = 28.
Dry, sandy soil, beaches, roadsides, waste places.

DIOSCOREA (Family: Dioscoreaceae)

DIOSCOREA POLYSTACHYA Turczaninow - **Cinnamon-vine**. 2n = 140, 144.
Thickets, waste places. From China. [*D. BATATAS* Decaisne; *D. OPPOSITIFOLIA* - misapplied]







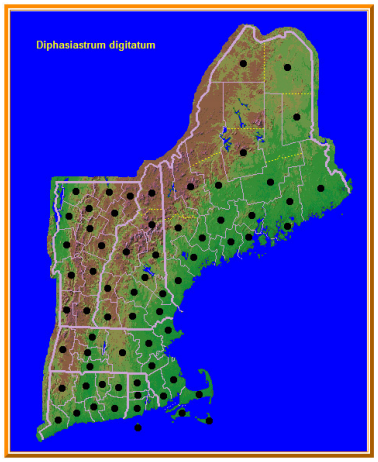
Dioscorea villosa Linnaeus - **Wild Yam**. 2n = 60.
Damp thickets, wet woods, roadsides.

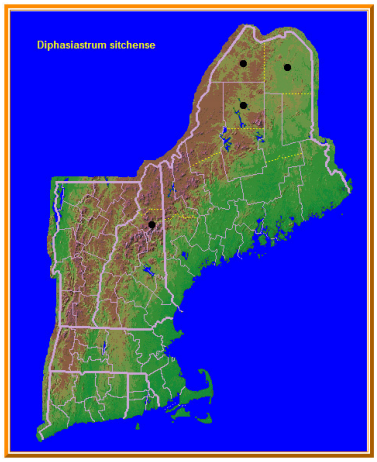
DIOSPYROS (Family: Ebenaceae)

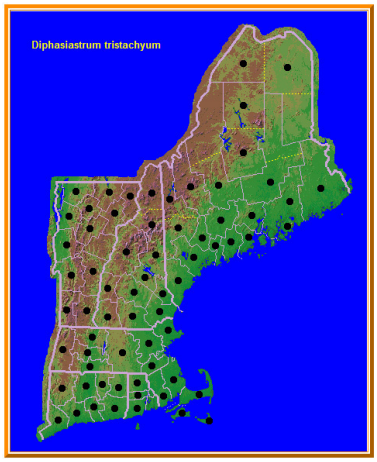
Diospyros virginiana Linnaeus - **Persimmon**. 2n = (60), 90.
Dry woods, old fields.

DIPHASIASTRUM (Family: Lycopodiaceae)

Diphasiastrum complanatum (Linnaeus) Holub - **Northern Running Pine**. 2n = 44, 46, 48.
Dry, open coniferous or mixed forests. [*Lycopodium complanatum* Linnaeus]



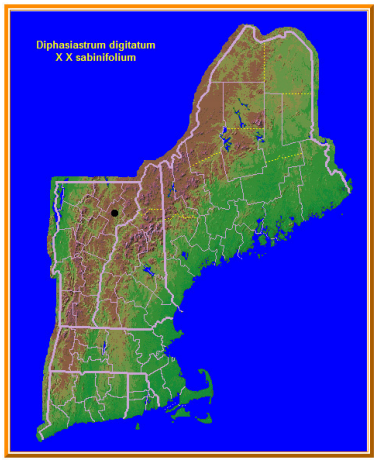


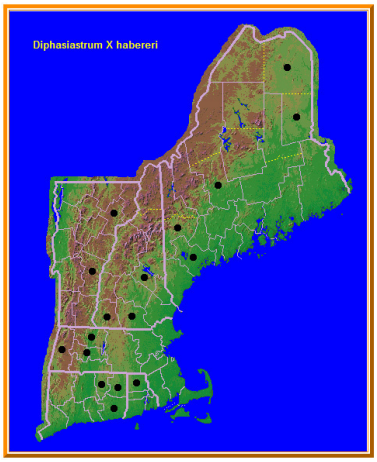


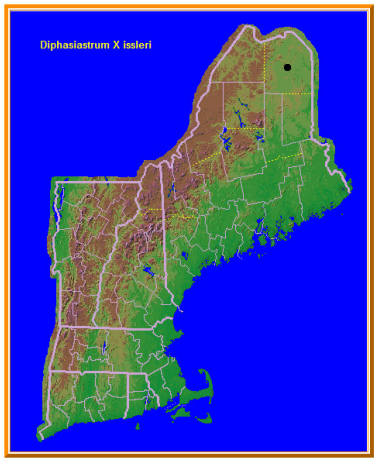
Diphasiastrum digitatum (Dillenius *ex* A. Braun) Holub - **Southern Running Pine**. 2n = 46.
Usually dry woods, thickets, or open fields, in acid soils. [*Lycopodium complanatum* Linnaeus var. *flabelliforme* Fernald]

Diphasiastrum sitchense (Ruprecht) Holub - **Sitka Clubmoss**. 2n = 46.
Alpine meadows, open rocky barrens, conifer woods (rarely). [*Lycopodium sitchense* Ruprecht]

Diphasiastrum tristachyum (Pursh) Holub - **Ground Cedar**. 2n = 46.
Acid soils in open conifer or oak woods, thickets. [*Lycopodium tristachyum* Pursh]





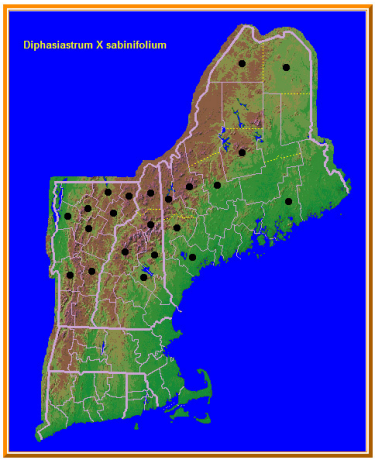


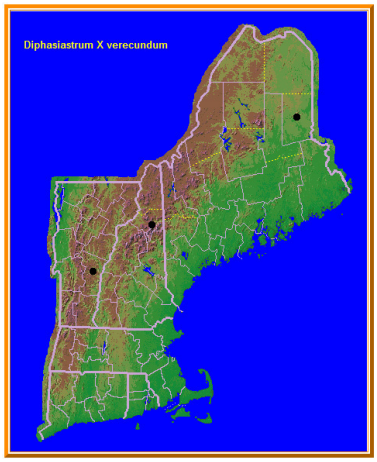
Diphasiastrum hybrids

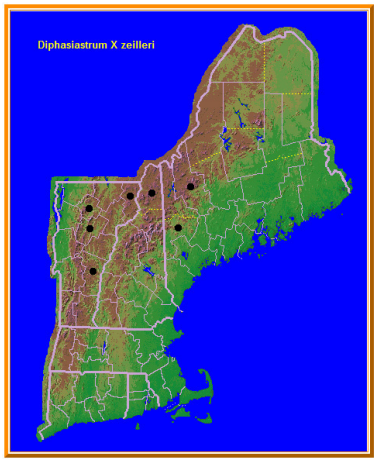
Diphasiastrum digitatum (Dillenius *ex* A. Braun) Holub X ***D.*** X ***sabinifolium*** (Willdenow) Holub (*pro species*) - .

Diphasiastrum X ***habereri*** (House) Holub - .
[*D. digitatum* (Dillenius *ex* A. Braun) Holub X *D. tristachyum* (Pursh) Holub; *Lycopodium* X *habereri* House]

Diphasiastrum X ***issleri*** (Rouy) Holub - .
[*D. alpinum* (Linnaeus) Holub X *D. complanatum* (Linnaeus) Holub; *Lycopodium* X *issleri* (Rouy) Lawalrèe]



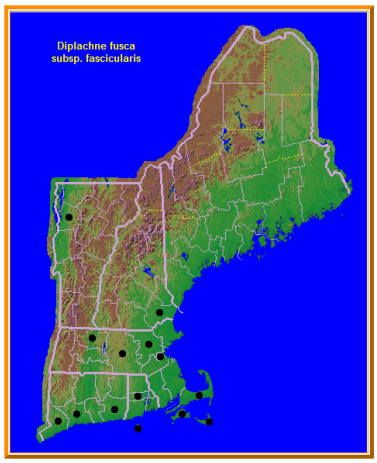


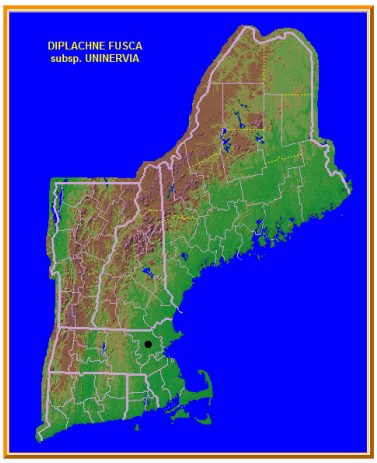


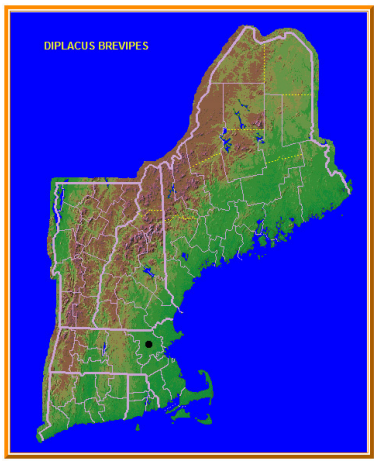
Diphasiastrum X ***sabinifolium*** (Willdenow) Holub - **Savin-leaved Clubmoss**.
Woods (often subalpine spruce), thickets, clearings. [*D. sitchense* (Ruprecht) Holub X *D. tristachyum* (Pursh) Holub; *Lycopodium sabinifolium* Willdenow]

Diphasiastrum X ***verecundum*** A.V. Gilman - .
[*D. complanatum* (Linnaeus) Holub X *D. digitatum* (Dillenius *ex* A. Braun) Holub]

Diphasiastrum X ***zeilleri*** (Rouy) Holub - .
[*D. complanatum* (Linnaeus) Holub X *D. tristachyum* (Pursh) Holub]







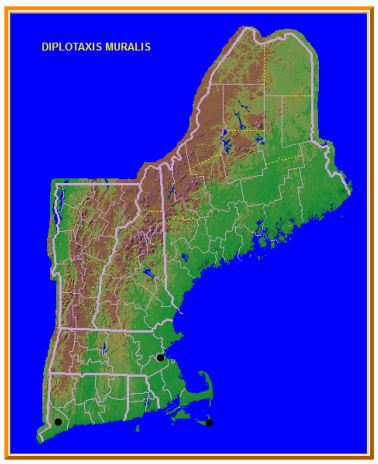
DIPLACHNE (Family: Poaceae)

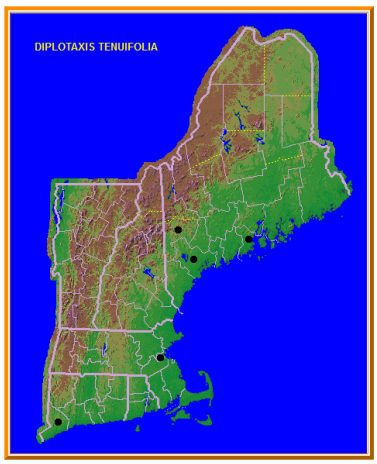
Diplachne fusca (Linnaeus) P. de Beauvois *ex* Roemer & Schultes subsp. ***fascicularis*** P.M. Peterson & N. Snow - . 2n = 20, (40).
Salt marshes and seacoasts. [*D. acuminata* Nash; *D. maritima* E.P. Bicknell; *Leptochloa fascicularis* (Lamarck) A. Gray; *L. fascicularis* var. *acuminata* (Nash) Gleason); *L. fascicularis* var. *maritima* (E.P. Bicknell) Gleason]

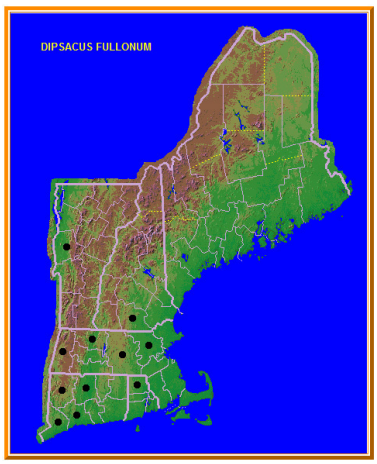
DIPLACHNE FUSCA (Linnaeus) P. de Beauvois *ex* Roemer & Schultes subsp. ***UNINERVIA*** (J. Presl) P.M. Peterson & N. Snow - . 2n = 20.
Wool waste. From farther south and west, and South and Central America.

DIPLACUS (Family: Phrymaceae)

DIPLACUS BREVIPES (Bentham) G.L. Nesom - . 2n = 16.
Wool waste. From California and northwestern Mexico. [*MIMULUS BREVIPES* Bentham]







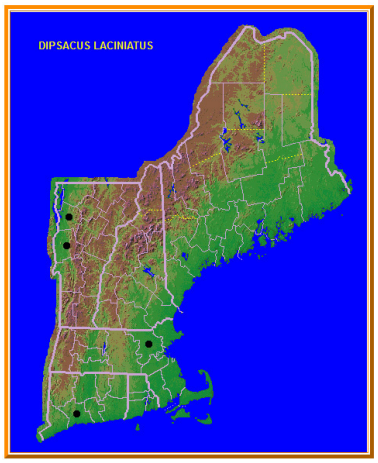
DIPLOTAXIS (Family: Brassicaceae)

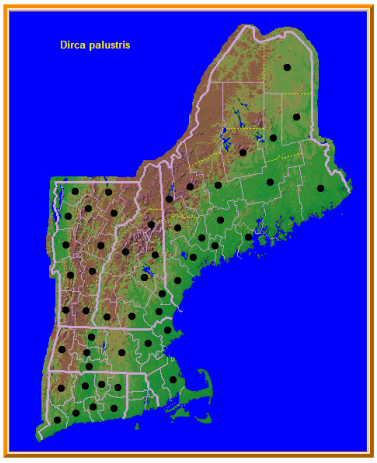
DIPLOTAXIS MURALIS (Linnaeus) de Candolle - **Indian-pipe**. 2n = (18), (20), (22), 42, (44).
Waste places, roadsides. From Eurasia, Africa.

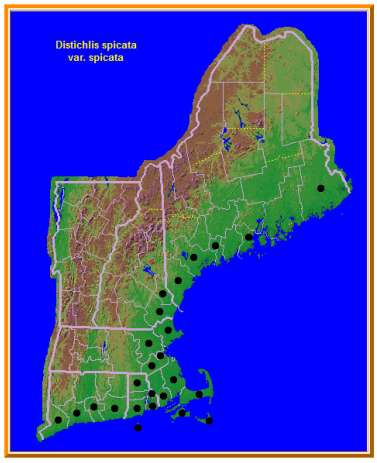
DIPLOTAXIS TENUIFOLIA (Linnaeus) de Candolle - **Perennial Wall-rocket**. 2n = (14), 22, (42).
Waste places, roadsides. From Eurasia, Africa.

DIPSACUS (Family: Caprifoliaceae)

DIPSACUS FULLONUM Linnaeus - **Fuller's Teasel**. 2n = 16, 18.
Fields, roadsides, waste places. From Eurasia, northwestern Africa. [*D. SYLVESTRIS* Hudson]







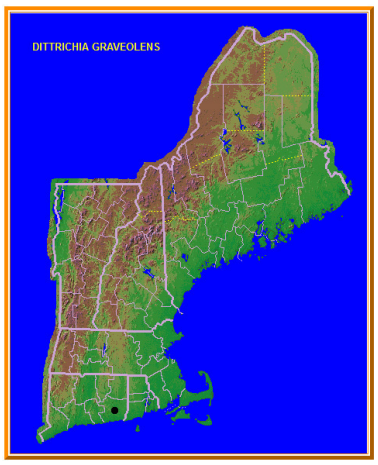
DIPSACUS LACINIATUS Linnaeus - . 2n = (16), 18.
Waste places, roadsides. From Eurasia.

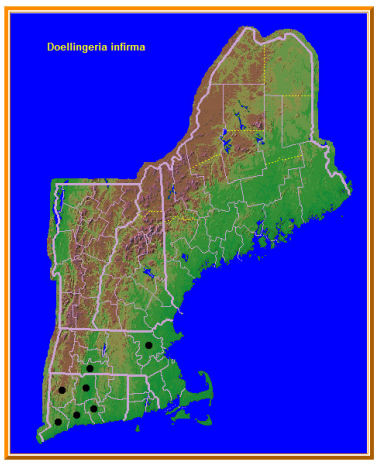
DIRCA (Family: Thymelaeaceae)

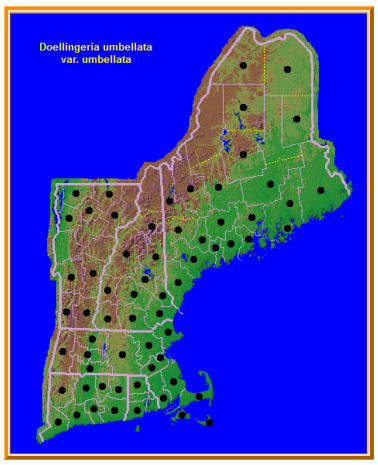
Dirca palustris Linnaeus **Leatherwood** - . 2n = ?
Damp, rich, deciduous or mixed woodlands.

DISTICHLIS (Family: Poaceae)

Distichlis spicata (Linnaeus) Greene var. ***spicata*** - **Seashore Saltgrass**. 2n = 40.
Salt marshes.







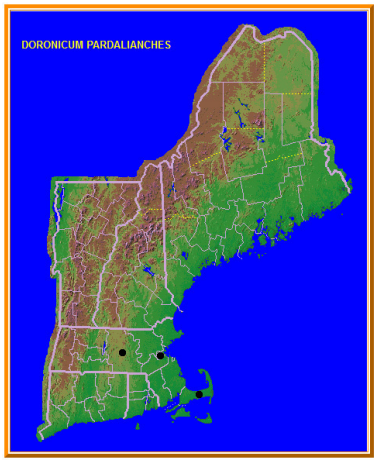
DITTRICHIA (Family: Asteraceae)

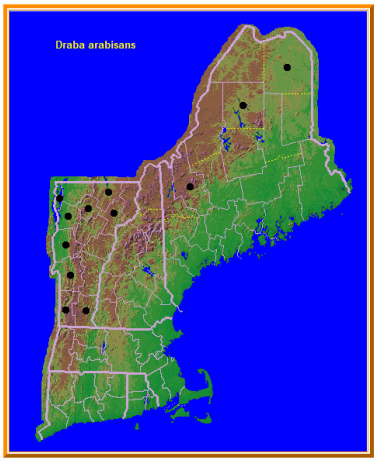
DITTRICHIA GRAVEOLENS (Linnaeus) Greuter - **Stinkwort**. 2n = (16), 18, (20).
Sandy, open, disturbed sites. From Eurasia, northern Africa. [*INULA GRAVEOLEN*S (Linnaeus) Desfontaines]

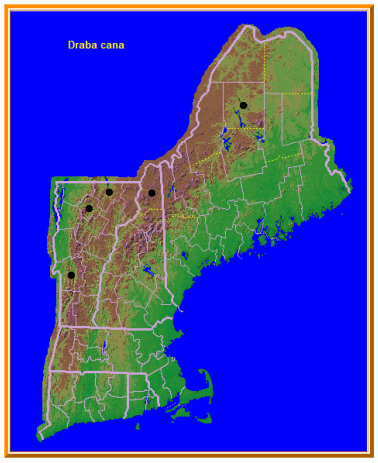
DOELLINGERIA (Family: Asteraceae)

Doellingeria infirma (Michaux) Greene - **Appalachian Flat-top Aster**. 2n = 18.
Dry, open, deciduous, rocky woods. [*Aster infirmus* Michaux]

Doellingeria umbellata (Miller) Nees var. ***umbellata*** - **Tall Flat-top White Aster**. 2n = (9), 18.
Moist thickets and openings, meadows, swamps, bogs. [*Aster umbellatus* Miller]







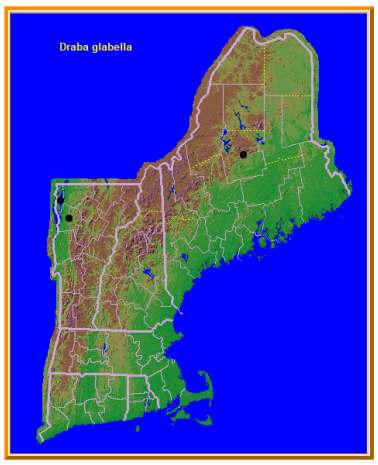
DORONICUM (Family: Asteraceae)

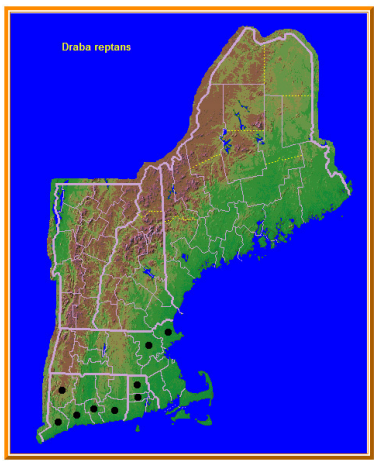
DORONICUM PARDALIANCHES Linnaeus - **Great Leopard's-bane**. 2n = 60, (120).
Open, disturbed ground. From Europe.

DRABA (Family: Brassicaceae)

Draba arabisans Michaux - **Rock Whitlow-grass**. 2n = 96.
Rock outcrops, usually calcareous or dolomitic.

Draba cana Rydberg - **Ashy Whitlow-grass**. 2n = 32.
Calcareous cliffs. [*D. breweri* S. Watson var. *cana* (Rydberg) Rollins; *D. lanceolata* - misapplied]

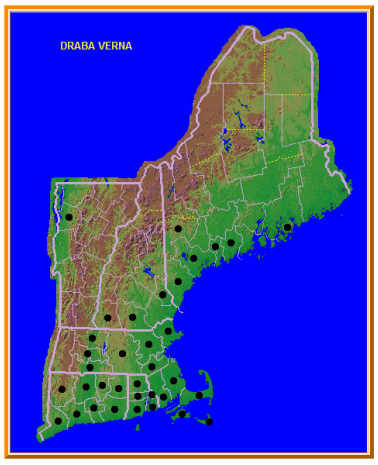


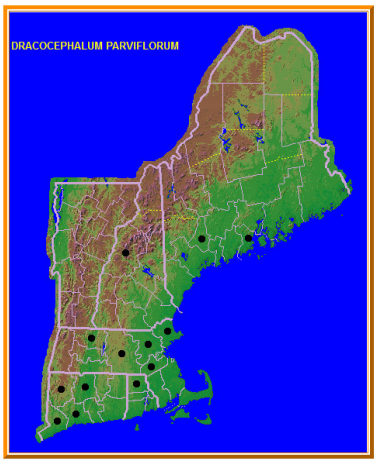


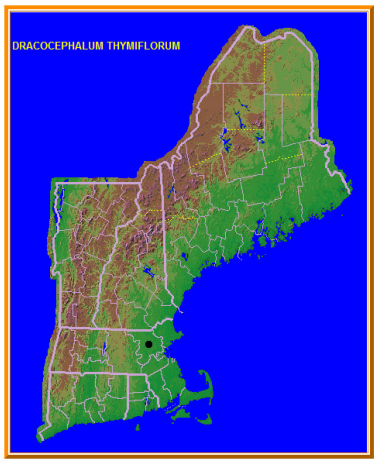
Draba glabella Pursh - **Smooth Whitlow-grass**. 2n = 64, (ca. 75), (80), (82).
Rock outcrops, usually calcareous. [*D. glabella* var. *orthocarpa* (Fernald & C.H. Knowlton) Fernald]

Draba incana Linnaeus - **Twisted Whitlow-grass**. 2n = 32.
Rock outcrops, usually calcareous.

Draba reptans (Lamarck) Fernald - **Carolina Whitlow-grass**. 2n = (16), 30, 32.
Fields, ledges, dry sands.





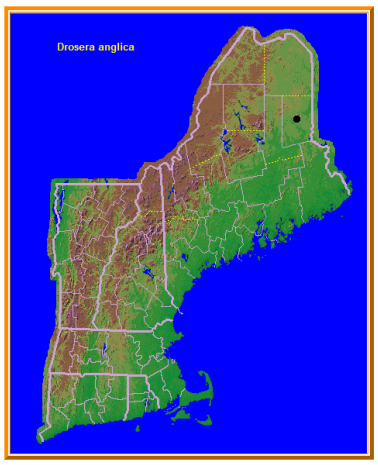


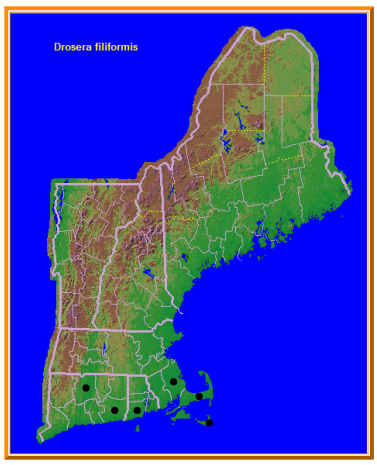
DRABA VERNA Linnaeus - **Common Whitlow-grass**. 2n = 14, 16, 20, 24, 28, 30, 32, 34, 36, 38, 40, 42, 52, 54, 58, 60, 64, 94.
Roadsides, fields, waste places, open, dry places. From Eurasia, northwestern Africa. [*D. VERNA* var. *BOERHAAVII* H.C. Hall]

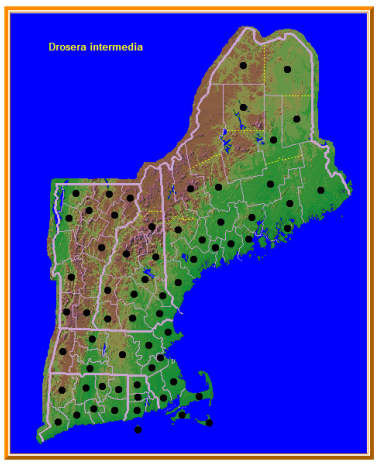
DRACOCEPHALUM (Family: Lamiaceae)

DRACOCEPHALUM PARVIFLORUM Nuttall - **American Dragonhead**. 2n = 14.
Waste places, fields. From farther west.

DRACOCEPHALUM THYMIFLORUM Linnaeus - . 2n = 14, (20).
Wool waste. From Eurasia.





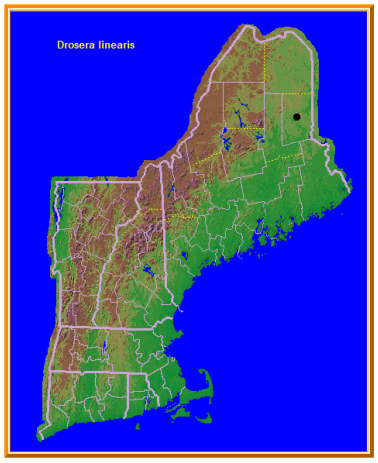


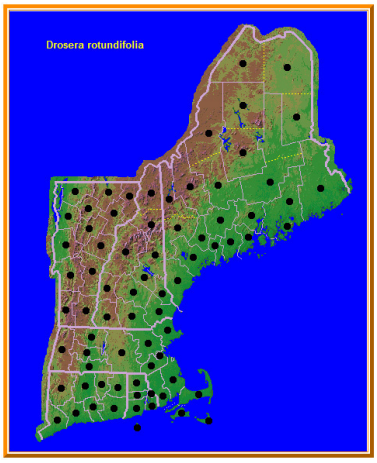
DROSERA (Family: Droseraceae)

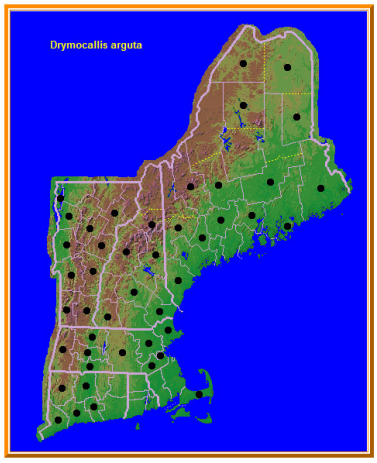
Drosera anglica Hudson - . 2n = 40.
Calcareous bogs and fens in *Sphagnum*.

Drosera filiformis Rafinesque - **Dew-thread**. 2n = 20.
Sandy pond shores.

Drosera intermedia Hayne - . 2n = 20, (40).
Acidic sand or *Sphagnum* of bogs, swamps, shores. [*D. longifolia* Linnaeus - rejected name, sometimes applied to *D. anglica* Hudson specimens outside New England]





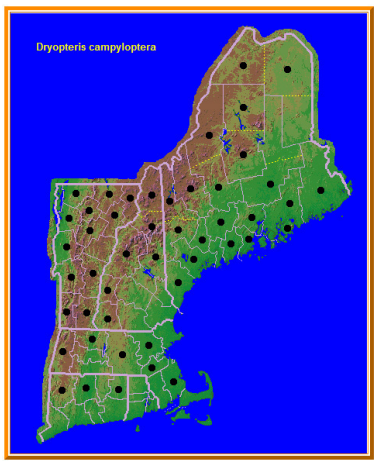


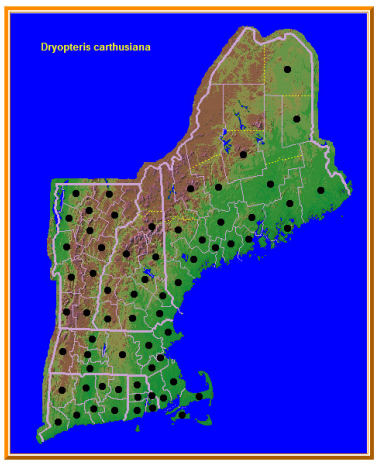
Drosera linearis Goldie - . 2n = 20.
Calcareous bogs and fens in *Sphagnum*.

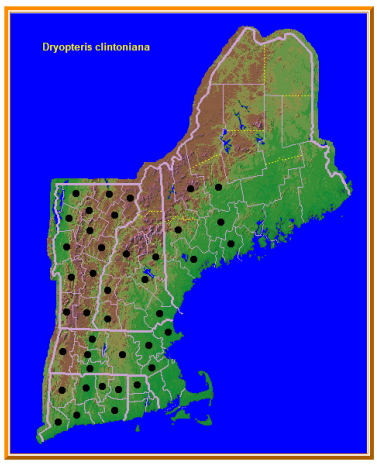
Drosera rotundifolia Linnaeus - **Round-leaved Sundew**. 2n = 20, (40).
Sphagnous or acidic soil of bogs, swamps, fens, shores, seepages. [*D. rotundifolia* var. *comosa* Fernald]

DRYMOCALLIS (Family: Rosaceae)

Drymocallis arguta (Pursh) Rydberg - **Tall Cinquefoil**. 2n = 14.
Dry fields, open rocky woods, ledges, usually in calcareous soil. [*Potentilla arguta* Pursh]





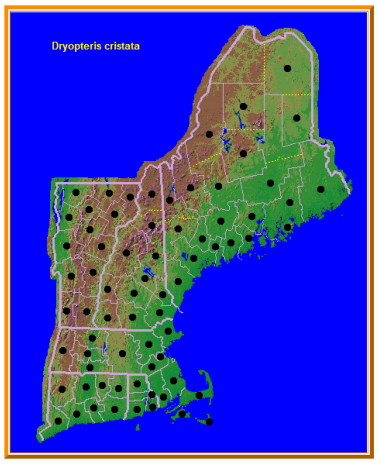


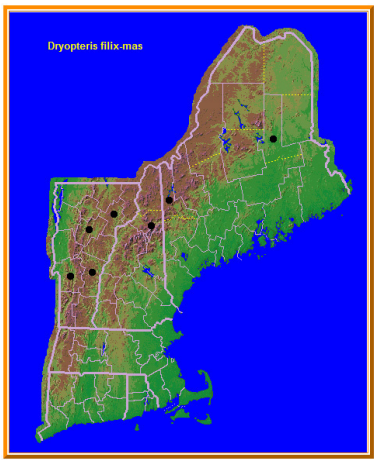
DRYOPTERIS (Family: Dryopteridaceae)

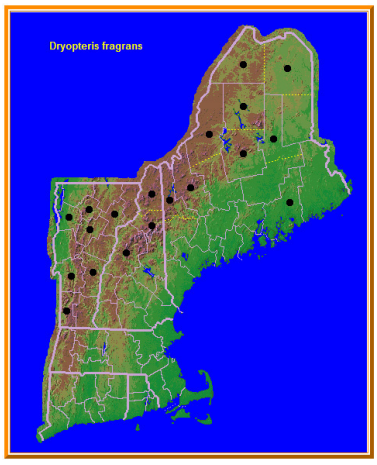
Dryopteris campyloptera (Kunze) Clarkson - **Mountain Wood** Fern. 2n = 164.
Moist, cool woods, thickets, and banks. [*D. austriaca* (Jacquin) Woynar *ex* Schinz & Thellung var. *austriaca*; *D. austriaca* var. *concordiana* (Davenport) C.V. Morton; *D. spinulosa* (O.F. Müller) Watt var. *americana* (Fischer *ex* Kunze) Fernald; *D. spinulosa* var. *concordiana* (Davenport) Eastman]

Dryopteris carthusiana (Villars) H.P. Fuchs - **Spinulose Wood Fern**. 2n = 164.
Low, moist (occasionally dry) woods and thickets, stream banks, swamps. [*D. austriaca* (Jacquin) Woynar *ex* Schinz & Thellung var. *spinulosa* (O.F. Müller) Fiori; *D. spinulosa* (O.F. Müller) Watt var. *spinulosa*]

Dryopteris clintoniana (D.C. Eaton) Dowell - **Clinton's Wood Fern**. 2n = 246.
Wet (rarely only moist), often circumneutral woods and swamps. [*D. cristata* (Linnaeus) A. Gray var. *clintoniana* (D.C. Eaton) Underwood]



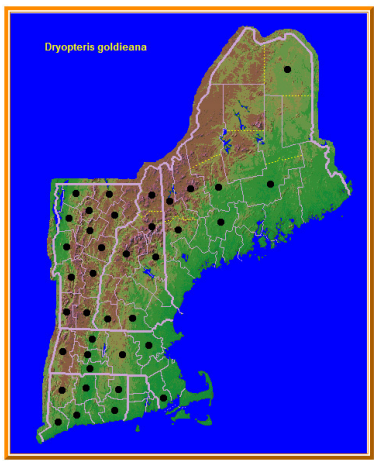


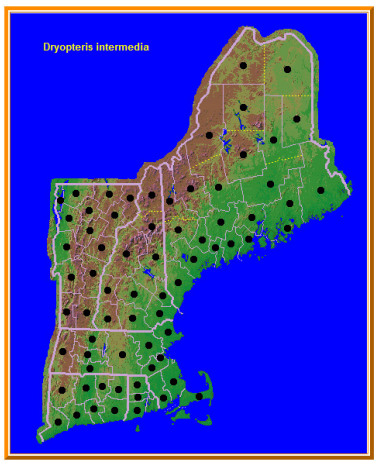


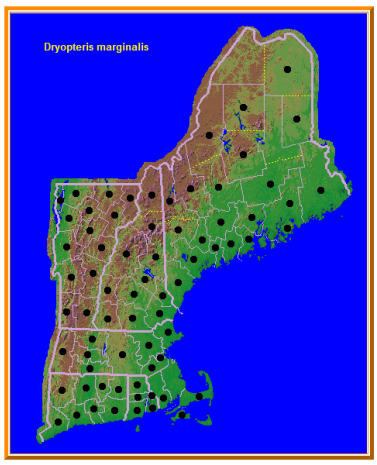
Dryopteris cristata (Linnaeus) A. Gray - **Crested Wood Fern**. 2n = (82), 164, (246).
Swamps, wet woods, marshes, boggy thickets.

Dryopteris filix-mas (Linnaeus) Schott - **Male Fern**. 2n = (41), (82), 164.
Rocky wooded slopes, cold ravines, rich woods, upland pastures in chiefly calcareous soil, trap, or slate.

Dryopteris fragrans (Linnaeus) Schott - **Fragrant Cliff Fern**. 2n = 82.
Dry, often north-facing and calcareous, cliffs, ledges, talus, and rocky banks. [*D. fragrans* var. *remotiuscula* (Komarov) Komarov]



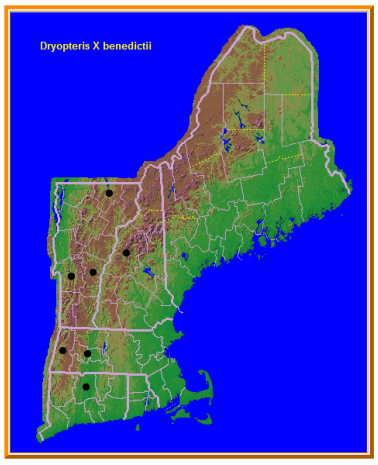


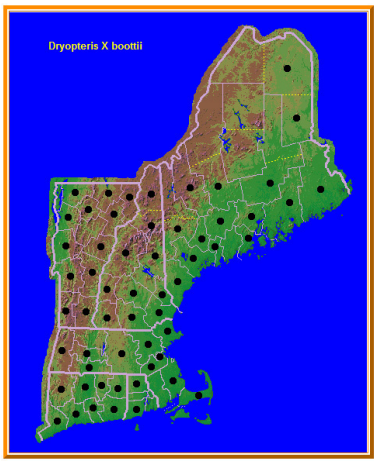


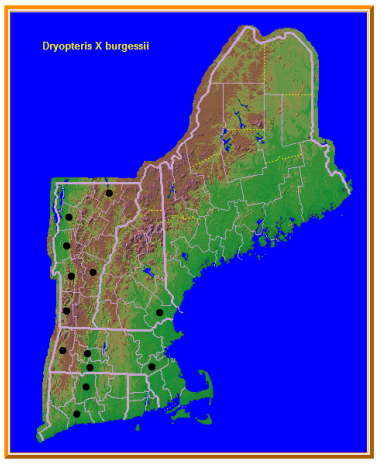
Dryopteris goldieana (Hooker *ex* Goldie) A. Gray - **Goldie's Fern**. 2n = (41), 82.
Rich, moist woods, rocky slopes (mostly calcareous), ravines.

Dryopteris intermedia (Muhlenberg *ex* Willdenow) A. Gray - **Glandular Wood Fern**. 2n = (41), 82.
Moist, rocky woods and moist thickets. [*D. austriaca* (Jacquin) Woynar *ex* Schinz & Thellung var. *intermedia* (Muhlenberg *ex* Willdenow) C.V. Morton; *D. spinulosa* (O.F. Müller) Watt var. *intermedia* (Muhlenberg *ex* Willdenow) Underwood]

Dryopteris marginalis (Linnaeus) A. Gray - **Marginal Shield Fern**. 2n = 82.
Rocky, usually rich, wooded slopes, ravines.





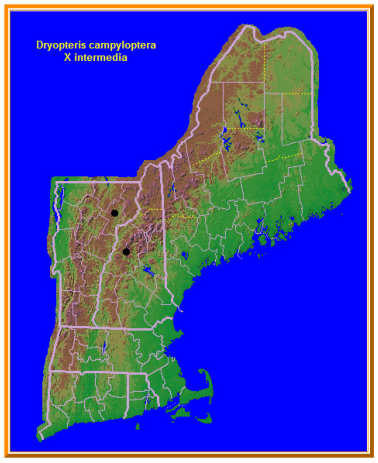


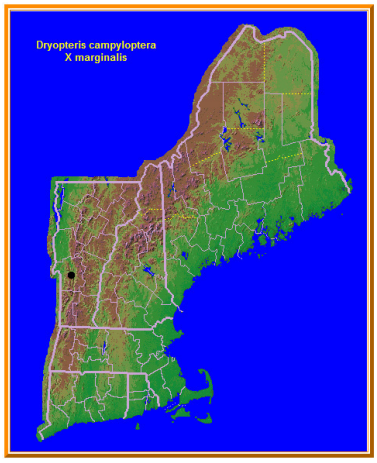
Dryopteris hybrids

Dryopteris X ***benedictii*** Wherry - .
[*D. carthusiana* (Villars) H.P. Fuchs X *D. clintoniana* (D.C. Eaton) Dowell]

Dryopteris X ***boottii*** (Tuckerman) Underwood (*pro species*) - **Boott's Wood Fern** - .
[*D. cristata* (Linnaeus) A. Gray X *D. intermedia* (Muhlenberg *ex* Willdenow) A. Gray]. Note: This common and widespread hybrid is not treated in Flora of North America (Flora of North America Editorial Committee 1993).

Dryopteris X ***burgessii*** B. Boivin - .
[*D. clintoniana* (D.C. Eaton) Dowell X *D. marginalis* (Linnaeus) A. Gray]

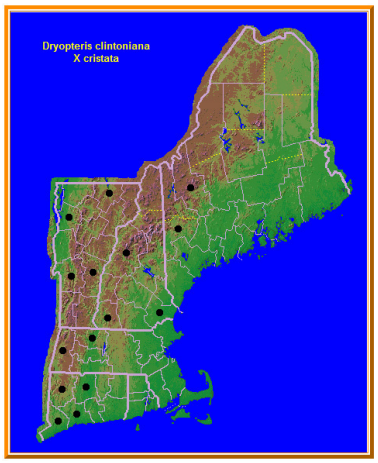


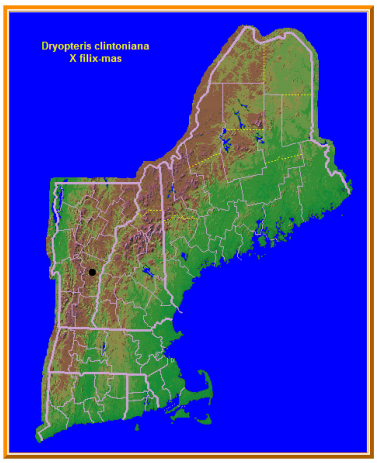


Dryopteris campyloptera (Kunze) Clarkson X ***D. intermedia*** (Muhlenberg *ex* Willdenow) A. Gray - .

Dryopteris campyloptera (Kunze) Clarkson X ***D. marginalis*** (Linnaeus) A. Gray - .

Dryopteris carthusiana (Villars) H.P. Fuchs X ***D. goldieana*** (Hooker *ex* Goldie) A. Gray - .
There is one known collection for this taxon. Other collections so identified are variations of *D. goldieana* (W.H. Wagner, Jr., pers. comm.)

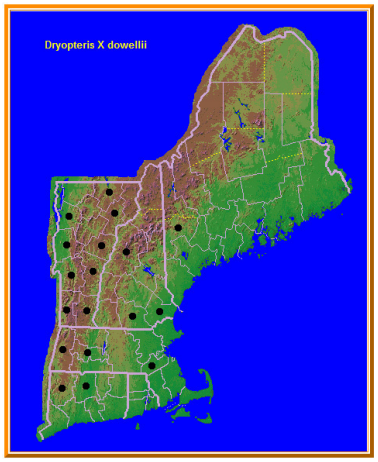


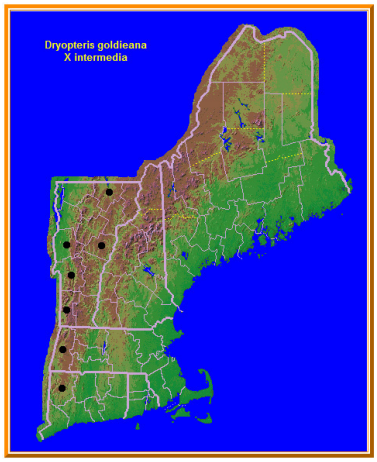


Dryopteris clintoniana (D.C. Eaton) Dowell X ***D. cristata*** (Linnaeus) A. Gray - .

Dryopteris clintoniana (D.C. Eaton) Dowell X ***D. filix-mas*** (Linnaeus) Schott - .

Dryopteris clintoniana (D.C. Eaton) Dowell X ***D. goldieana*** (Hooker *ex* Goldie) A. Gray - .

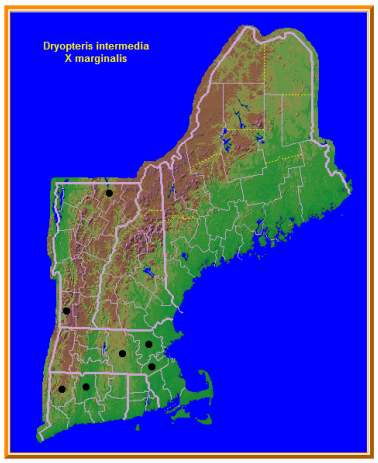


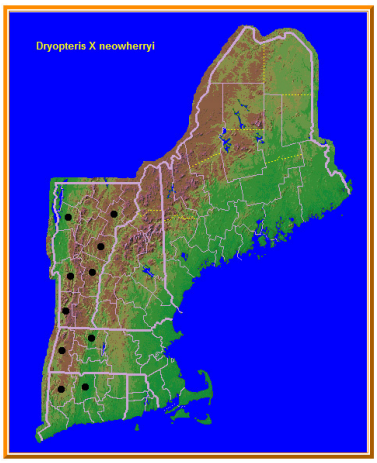


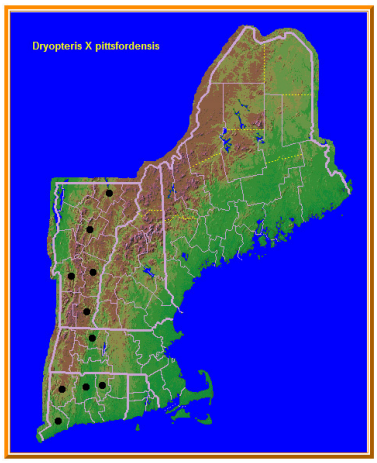
Dryopteris X ***dowellii*** (Farwell) Wherry - .
[*D. clintoniana* (D.C. Eaton) Dowell X *D. intermedia* (Muhlenberg *ex* Willdenow) A. Gray]

Dryopteris filix-mas (Linnaeus) Schott X ***D. marginalis*** (Linnaeus) A. Gray - .

Dryopteris goldieana (Hooker *ex* Goldie) A. Gray X ***D. intermedia*** (Muhlenberg *ex* Willdenow) A. Gray - .



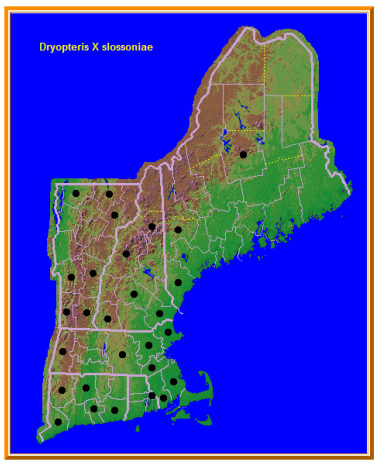


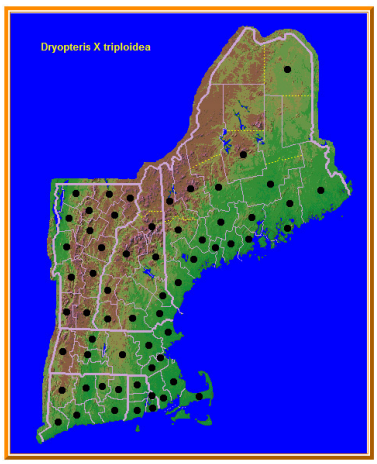


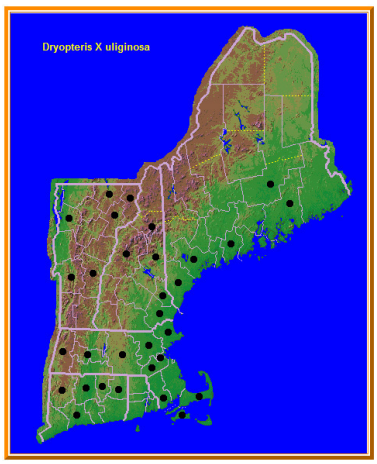
Dryopteris intermedia (Muhlenberg *ex* Willdenow) A. Gray X ***D. marginalis*** (Linnaeus) A. Gray - .

Dryopteris X ***neowherryi*** W.H. Wagner - .
[*D. goldieana* (Hooker *ex* Goldie) A. Gray X *D. marginalis* (Linnaeus) A. Gray]

Dryopteris X ***pittsfordensis*** Slosson - .
[*D. carthusiana* (Villars) H.P. Fuchs X *D. marginalis* (Linnaeus) A. Gray]



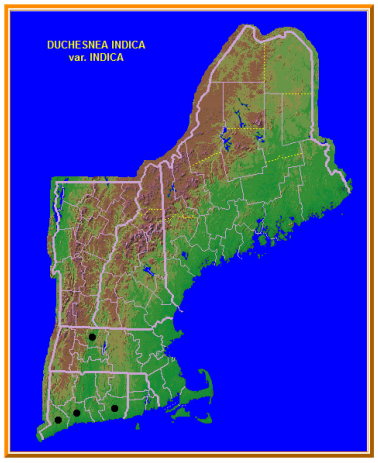


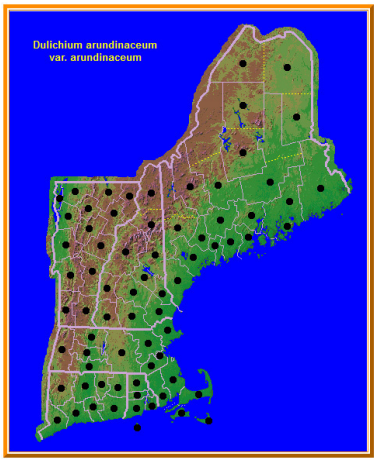


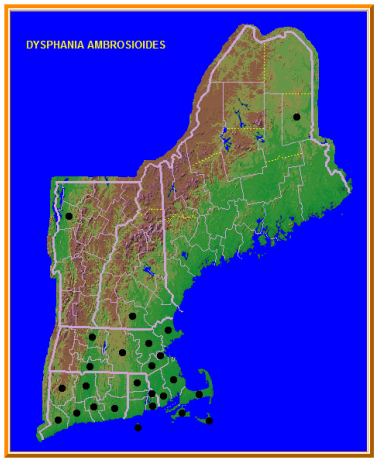
Dryopteris X ***slossoniae*** Wherry *ex* Lellinger - .
[*D. cristata* (Linnaeus) A. Gray X *D. marginalis* (Linnaeus) A. Gray]

Dryopteris X ***triploidea*** Wherry - .
Rocky or swampy (often rich) woods. [*D. carthusiana* (Villars) H.P. Fuchs X *D. intermedia* (Muhlenberg *ex* Willdenow) A. Gray; *D. austriaca* (Jacquin) Woynar *ex* Schinz & Thellung var. *fructuosa* (Gilbert) C.V. Morton; *D. spinulosa* (O.F. Müller) Watt var. *fructuosa* (Gilbert) Trudell] Note: This common and widespread hybrid is not treated in Flora of North America (Flora of North America Editorial Committee 1993).

Dryopteris X ***uliginosa*** (A. Braun *ex* Döll) Druce - .
[*D. carthusiana* (Villars) H.P. Fuchs X *D. cristata* (Linnaeus) A. Gray]







DUCHESNEA (Family: Rosaceae)

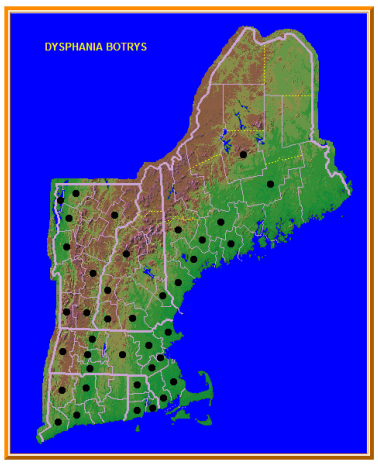
DUCHESNEA INDICA (Andrews) Teschemacher var. ***INDICA*** - **Mock Strawberry**. 2n = (14), (28), (42), 84.
Waste places, railroads. From Asia. [*POTENTILLA INDICA* (Andrews) Th. Wolf]

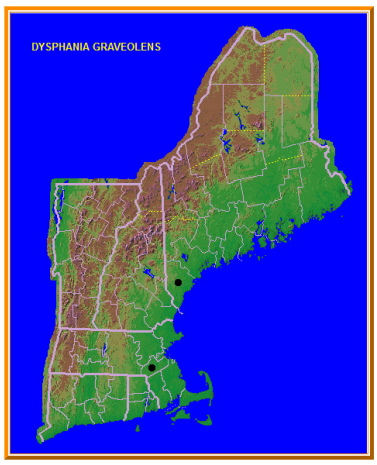
DULICHIUM (Family: Cyperaceae)

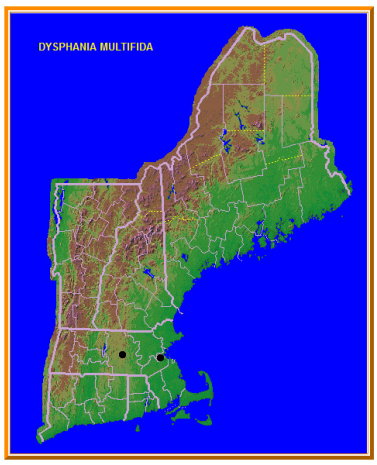
Dulichium arundinaceum (Linnaeus) Britton var. ***arundinaceum*** - **Three-way Sedge** - . 2n = 32.
Swamps, shores, bogs, marshes.

DYSPHANIA (Family: Amaranthaceae)

DYSPHANIA AMBROSIOIDES (Linnaeus) Mosyakin & Clemants - **Mexican-tea**. 2n = (8), (16), 32, (36), (64).
Waste places. From farther south. [*CHENOPODIUM AMBROSIOIDES* Linnaeus var. *AMBROSIOIDES*]





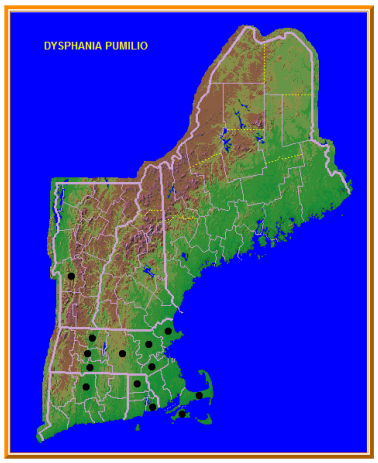


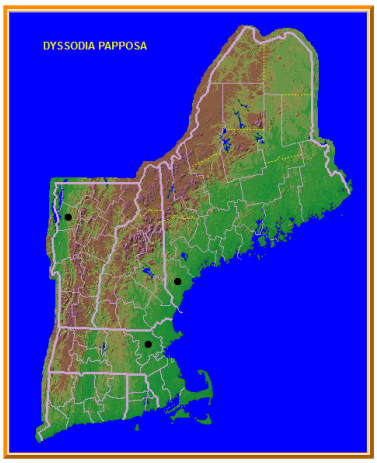
DYSPHANIA ANTHELMINTICA (Linnaeus) Mosyakin & Clemants - **Wormseed**. 2n = ?
Waste places, roadsides. From farther south. [*CHENOPODIUM AMBROSIOIDES* Linnaeus var. *ANTHELMINTICUM* (Linnaeus) A. Gray] Note: This taxon is **not mapped** since it is not typically separated from *C. AMBROSIOIDES* in New England herbaria.

DYSPHANIA BOTRYS (Linnaeus) Mosyakin & Clemants - **Jerusalem-oak**. 2n = 18.
Waste places, roadsides, shores. From Eurasia. [*CHENOPODIUM BOTRYS* Linnaeus]

DYSPHANIA GRAVEOLENS (Willdenow) Mosyakin & Clemants - **Fetid Goosefoot**. 2n = ?
Waste places. From farther west. [*CHENOPODIUM GRAVEOLENS* Willdenow]

DYSPHANIA MULTIFIDA (Linnaeus) Mosyakin & Clemants - **Scented Goosefoot**. 2n = 32, (36).
Waste places. From South America. [*CHENOPODIUM MULTIFIDUM* Linnaeus; *ROUBIEVA MULTIFIDA* (Linnaeus) Moquin-Tandon]

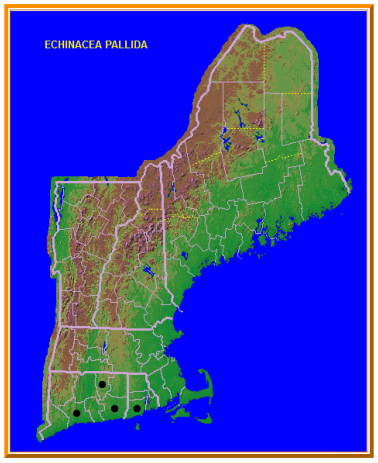


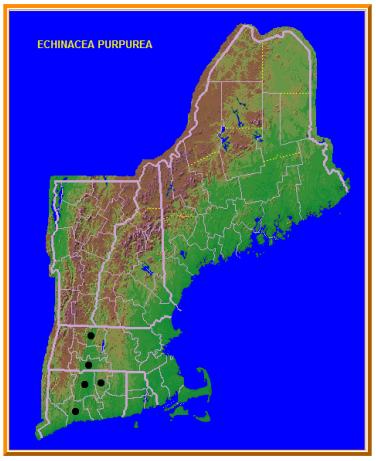


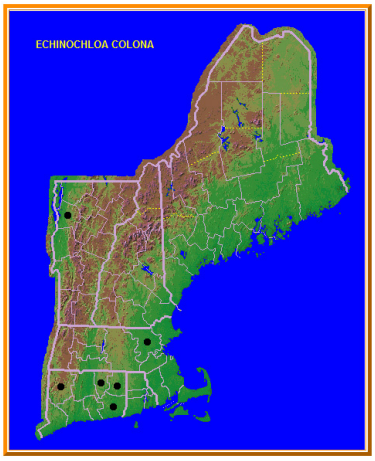
DYSPHANIA PUMILIO (R. Brown) Mosyakin & Clemants - **Small Crumbweed**. 2n = (16), 18.
Waste places, sidewalks, fields. From Australia. [*CHENOPODIUM CARINATUM* - misapplied; *C. PUMILIO* R. Brown]

DYSSODIA (Family: Asteraceae)

DYSSODIA PAPPOSA (Ventenat) Hitchcock - **Fetid Marigold**. 2n = 26.
Wool waste, roadsides, gravelly, river shores. From farther west.







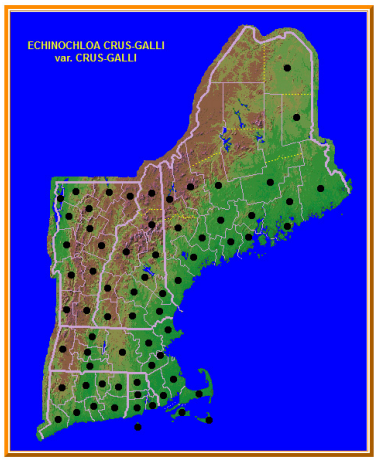
ECHINACEA (Family: Asteraceae)

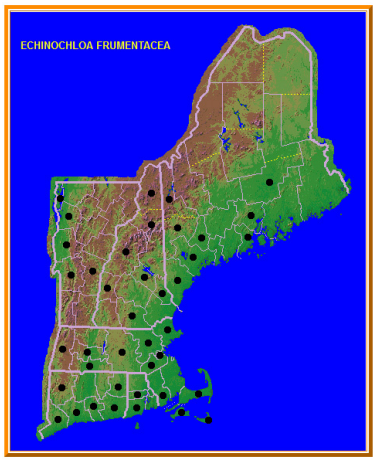
ECHINACEA PALLIDA (Nuttall) Nuttall - . 2n = 22, 44.
Fields, roadsides. From farther west.

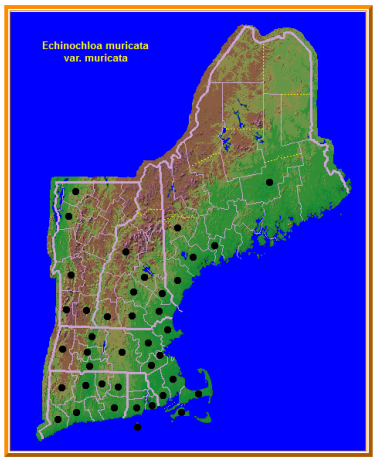
ECHINACEA PURPUREA (Linnaeus) Moench - **Eastern Purple Coneflower**. 2n = 22.
Dry roadsides, wood margins. From farther south and west.

ECHINOCHLOA (Family: Poaceae)

ECHINOCHLOA COLONA (Linnaeus) Link - **Jungle-rice**. 2n = (18), (24(, (48), 36, (52), 54, (56), (72), (96), (108), (130).
Waste places, cultivated fields, ditches. From the Old World tropics.



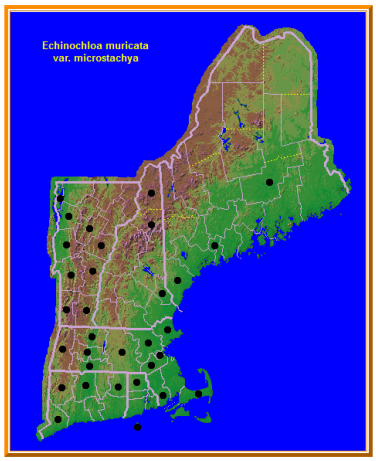


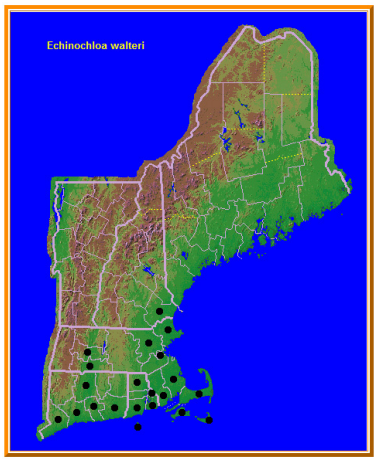


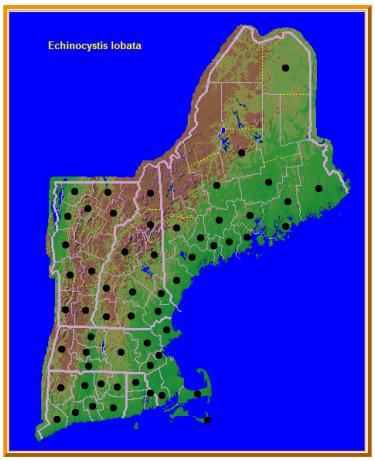
ECHINOCHLOA CRUS-GALLI (Linnaeus) P. Beauvois var. ***CRUS-GALLI*** - **Barnyard-grass**. 2n = (18), 36, (42), (48), (50), 54, (56), (72), (90).
Roadsides, waste places, cultivated ground. From the Old World.

ECHINOCHLOA FRUMENTACEA Link - **Japanese Millet**. 2n = (36), (48), 54, (56), (72).
Waste ground, roadsides, fields. From eastern Asia. [*E. CRUS-GALLI* (Linnaeus) P. Beauvois var. *FRUMENTACEA* (Link) E.G. Camus & A. Camus]

Echinochloa muricata (P. Beauvois) Fernald var. ***muricata*** - . 2n = 48.
Marshes, shores, waste places, roadsides. [*E. pungens* (Poiret) Rydberg]





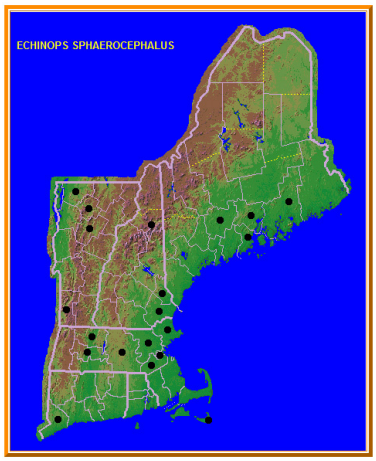


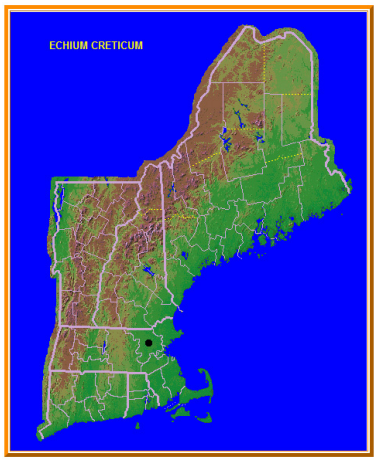
Echinochloa muricata (P. Beauvois) Fernald var. ***microstachya*** Wiegand - . 2n = 36.
Marshes, shores, waste places, roadsides. [*E. muricata* var. *occidentalis* Wiegand; *E. pungens* (Poiret) Rydberg var. *microstachya* (Wiegand) Fernald & Griscom; *E. pungens* var. *wiegandii* Fassett]

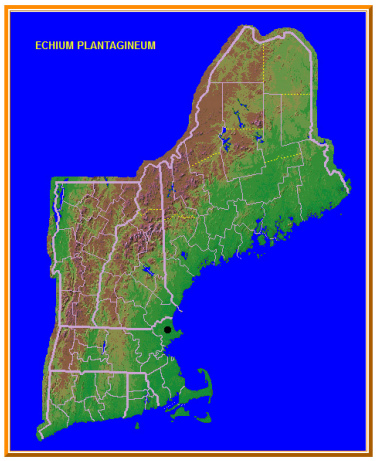
Echinochloa walteri (Pursh) A. Heller - . 2n = 36.
Shores, salt marsh borders, wet places.

ECHINOCYSTIS (Family: Cucurbitaceae)

Echinocystis lobata (Michaux) Torrey & A. Gray - **Wild Cucumber**. 2n = (16), 32.
Moist or wet thickets, rich soil along streams, meadows, roadsides.







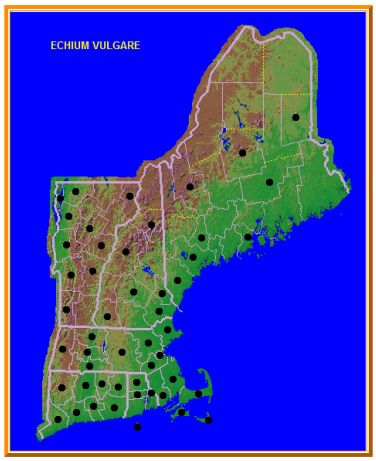
ECHINOPS (Family: Asteraceae)

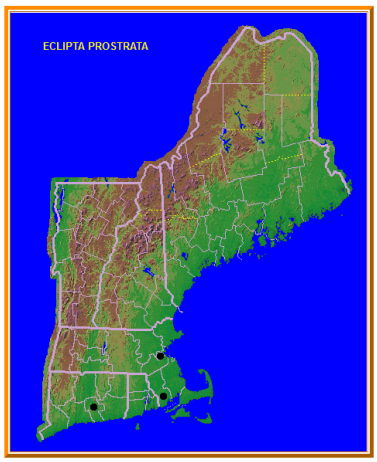
ECHINOPS SPHAEROCEPHALUS Linnaeus - **Common Globe-thistle**. 2n = (28), 30, 32.
Waste places, roadsides, fields. From Eurasia.

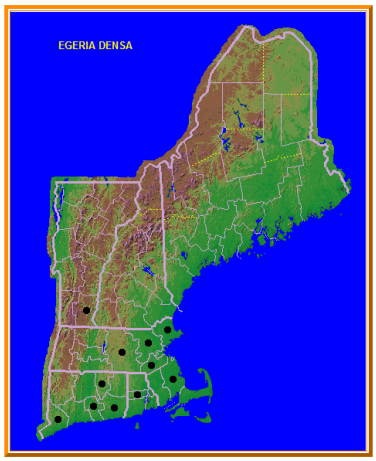
ECHIUM (Family: Boraginaceae)

ECHIUM CRETICUM Linnaeus - . 2n = 16.
Waste places. From the Mediterranean region. [*E. AUSTRALE* Lamarck]

ECHIUM PLANTAGINEUM Linnaeus - **Paterson's-curse**. 2n = 16.
Waste places. From Eurasia, northern Africa. [*E. VIOLACEUM* misapplied]







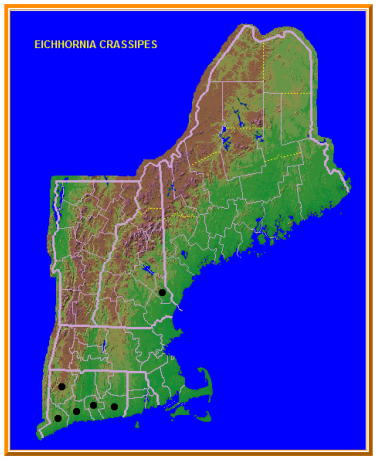
ECHIUM VULGARE Linnaeus - **Blueweed**. 2n. 2n = (16), 32.
Waste places, railroads, dry fields, roadsides. From Eurasia. [*E. VULGARE* var. *PUSTULATUM* (Smith) Coincy; *E. PUSTULATUM* Smith]

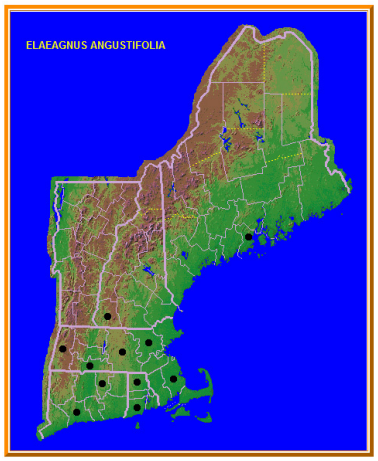
ECLIPTA (Family: Asteraceae)

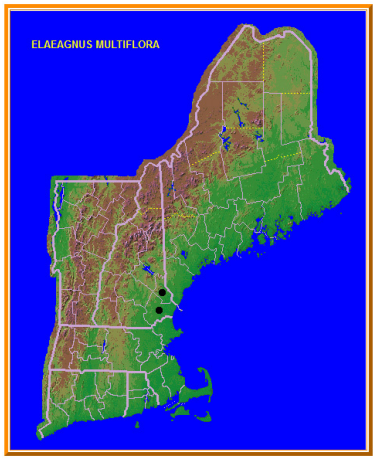
ECLIPTA PROSTRATA (Linnaeus) Linnaeus - **Yerba-de-Tajo**. 2n = (18), (20), 22, (24).
Waste places. From farther south and west. [*E. ALBA* (Linnaeus) Hasskarl]

EGERIA (Family: Hydrocharitaceae)

EGERIA DENSA Planchon - . 2n = 46, 48.
Ponds. From Brazil and Argentina. [*ELODEA DENSA* (Planchon) Caspary; *ANACHARIS DENSA* (Planchon) Marie-Victorin]







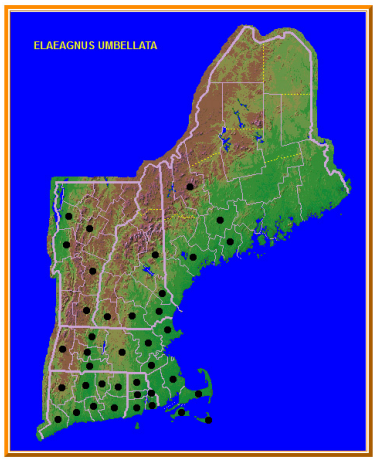
EICHHORNIA (Family: Pontederiaceae)

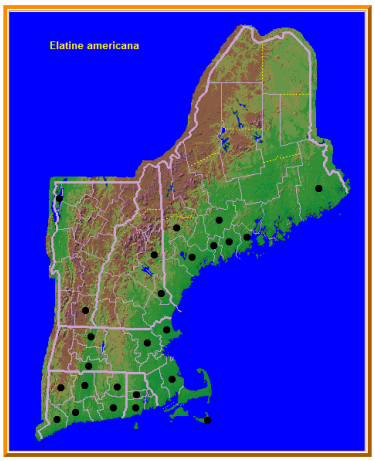
EICHHORNIA CRASSIPES (Martius) Solms-Laubach - **Water-hyacinth**. 2n = (18), (30), 32, (58), (64).
Floating in ponds and quiet streams. From South America.

ELAEAGNUS (Family: Elaeagnaceae)

ELAEAGNUS ANGUSTIFOLIA Linnaeus - **Russian Olive**. 2n = (12), 24, 28.
Roadsides, waste places, streambanks. From Eurasia.

ELAEAGNUS MULTIFLORA Thunberg - **Cherry Elaeagnus**. 2n = ?
Roadsides, dry woodlands, brook banks. From eastern Asia.



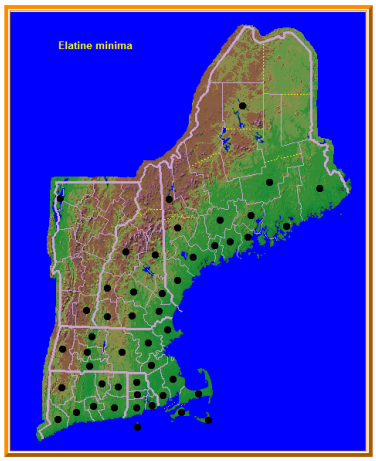


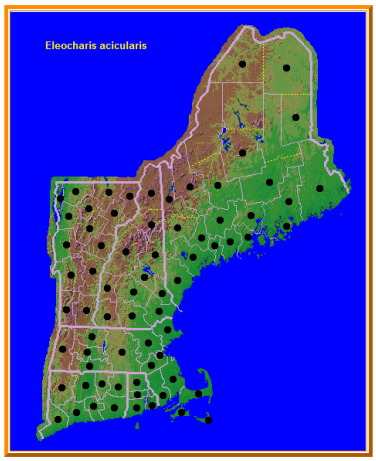
ELAEAGNUS UMBELLATA Thunberg - **Autumn Olive**. 2n = 18.
Thickets, roadsides, railroads, fields, woodland margins, brook margins, waste places. From Asia. [*E. UMBELLATA* Thunberg var. *PARVIFOLIA* (Wallich *ex* Royle) C.K. Schneider]

ELATINE (Family: Elatinaceae)

ELATINE AMBIGUA Wight - . 2n = ?
Pond and lake shores, quiet water of streams. From Asia.

Elatine americana (Pursh) Arnott - . 2n = 36, 70-72.
Muddy shores of ponds and streams, often tidal. [*E. triandra* Schkuhr var. *americana* (Pursh) Fassett]



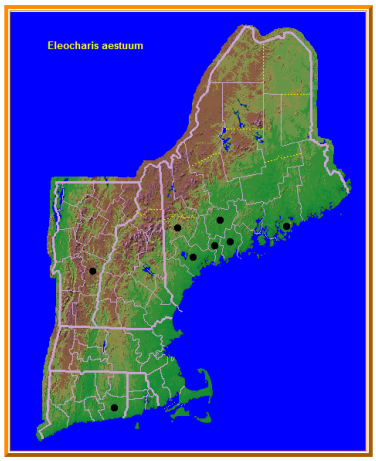


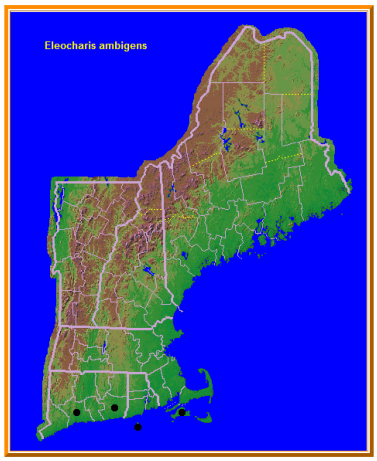
Elatine minima (Nuttall) Fischer & C.A. Meyer - . 2n = ?
Pond and lake shores, usually muddy, often in shallow water.

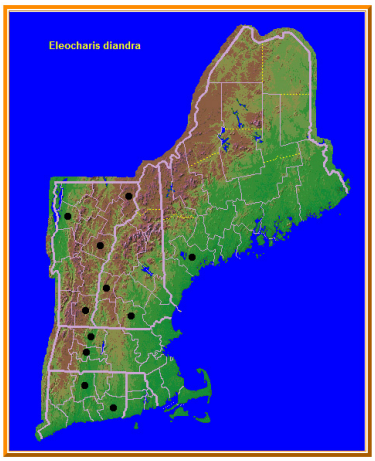
ELATINE TRIANDRA Schkuhr - . 2n = ca. 40.
Pond and lake shores, quiet water of streams. From Eurasia.

ELEOCHARIS (Family: Cyperaceae)

Eleocharis acicularis (Linnaeus) Roemer & Schultes - . 2n = (10), (18), 20, (56).
Shores, damp low ground, usually in mud. [*E. acicularis* var. *submersa* (Nilsson) Svenson]



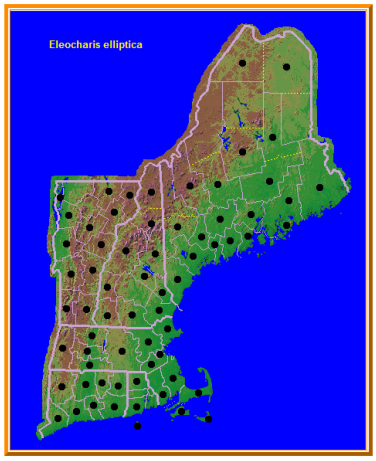


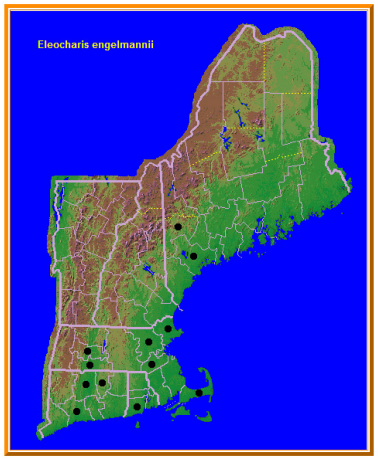


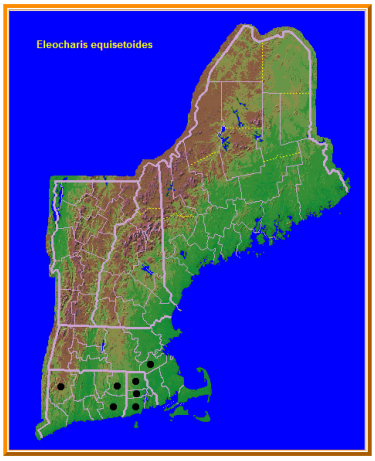
Eleocharis aestuum Hines *ex* A. Haines - . 2n = ?
Fresh, tidal river shores.

Eleocharis ambigens Fernald - . 2n = 44, 45, 46.
Coastal pond shores, marshes.

Eleocharis diandra C. Wright - . 2n = ?
River and lake silts, sometimes tidal.



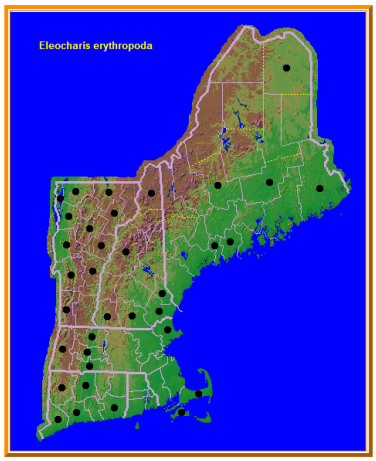


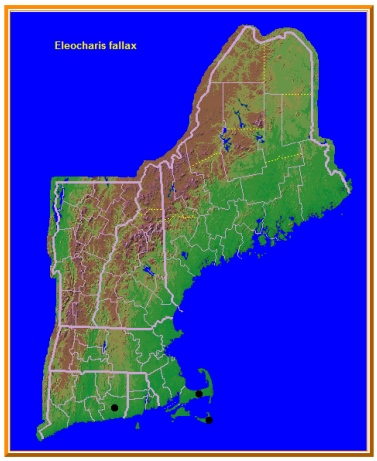


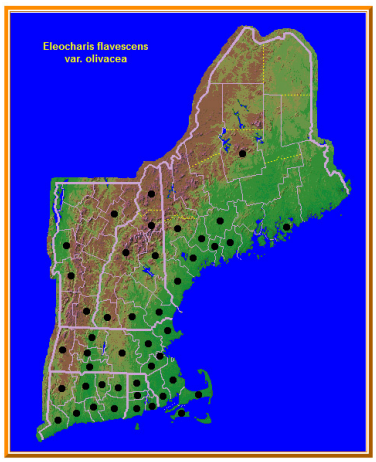
Eleocharis elliptica Kunth - . 2n = 38.
Shores, meadows, and other wet places. [*E. tenuis* (Willdenow) Schultes var. *borealis* (Svenson) Gleason]

Eleocharis engelmannii Steudel - . 2n = 10.
Pond shores, often in clay.

Eleocharis equisetoides (Elliott) Torrey - **Knotted Spikerush**. 2n = ?
Shores.



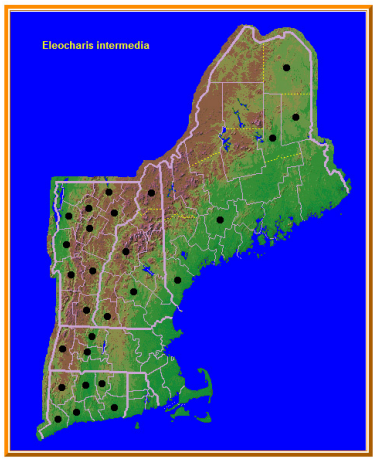


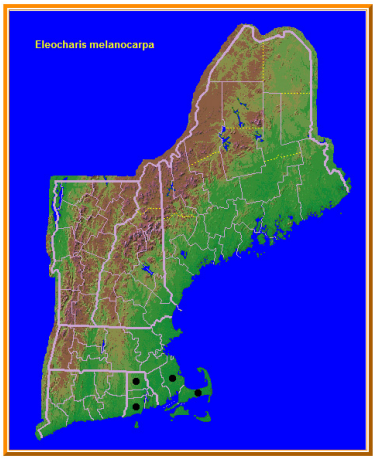


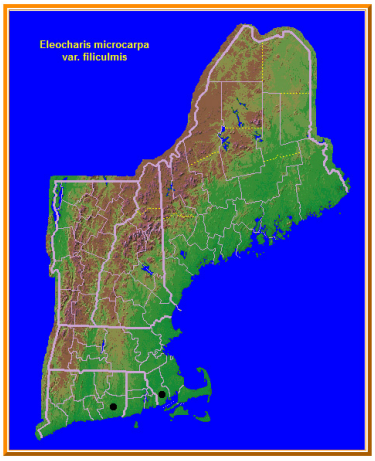
Eleocharis erythropoda Steudel - . 2n = 16, 18, 19, 20.
Shores in shallow water. [*E. calva* misapplied]

Eleocharis fallax Weatherby - . 2n = 42.
Coastal, fresh to brackish pond and lake shores and marshes.

Eleocharis flavescens (Poiret) Urban var. ***olivacea*** (Torrey) Gleason - **Green Spikerush**. 2n = 20.
Bogs, marshes, shores. [*E. olivacea* Torrey]



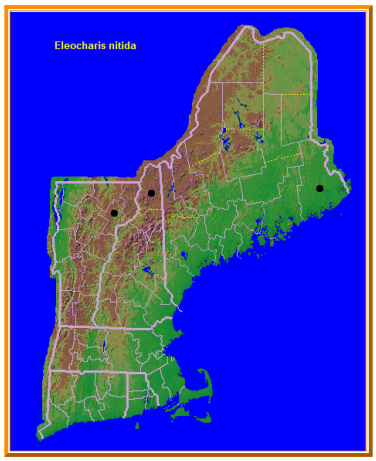


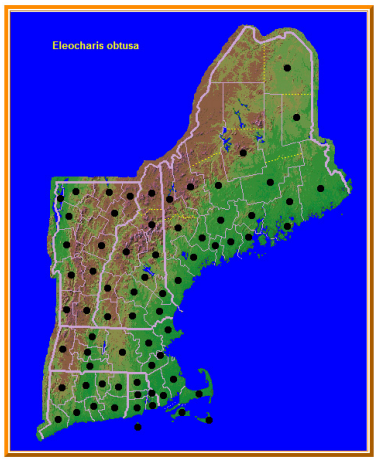


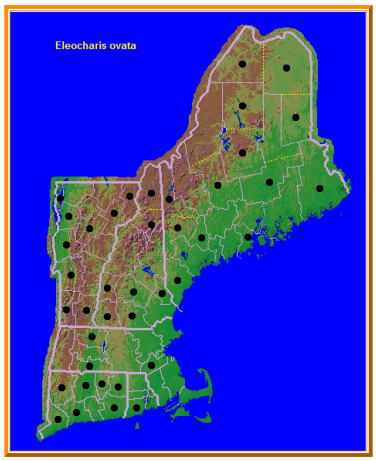
Eleocharis intermedia Schultes - . 2n = 22.
Shores and bogs in calcareous soil.

Eleocharis melanocarpa Torrey - . 2n = ?
Acid, sandy shores.

Eleocharis microcarpa Torrey var. ***filiculmis*** Torrey - . 2n = 10.
Pond shores.



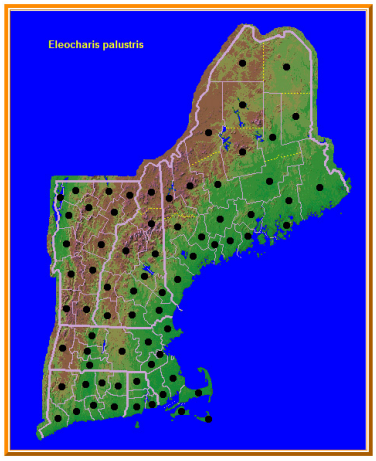


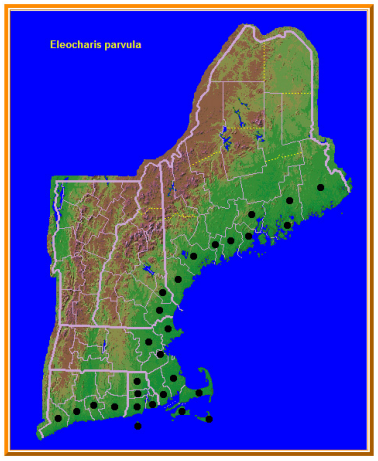


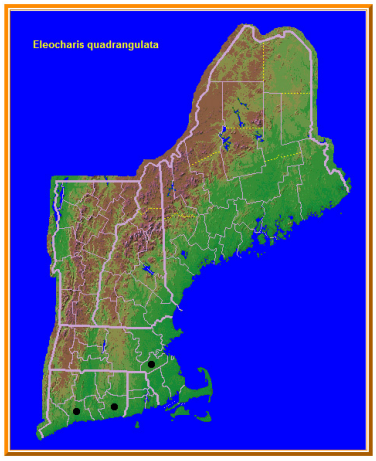
Eleocharis nitida Fernald - . 2n = ?
Sphagnous places.

Eleocharis obtusa (Willdenow) Schultes - . 2n = (9), 10.
Wet, open places. [*E. obtusa* var. *ellipsoidalis* Fernald *ex* Svenson; *E. obtusa* var. *jejuna* Fernald; *E. obtusa* var. *peasei* Svenson]

Eleocharis ovata (Roth) Roemer & Schultes - . 2n = 10.
Shores, bogs. [*E. ovata* var. *heuseri* Uechtritz]



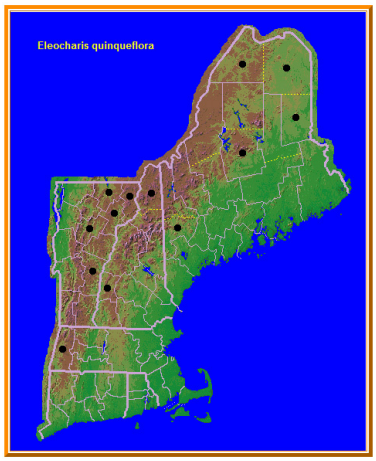


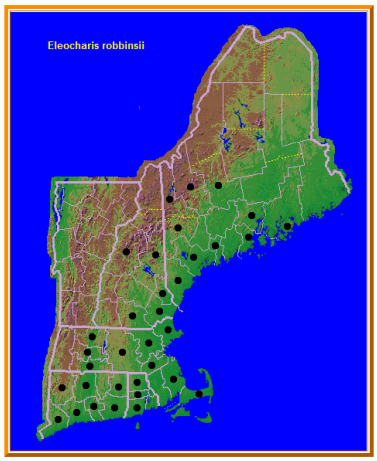


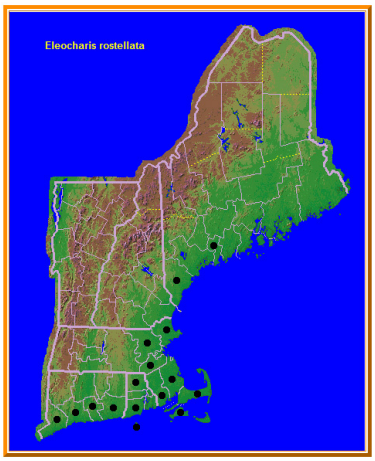
Eleocharis palustris (Linnaeus) Roemer & Schultes - . 2n = (10), (14), (15), 16, (17), (18), (27), (32), 36, (37), 38, (39), (40), (41), (42), (43), (50).
Shores, often in shallow water. [*E. palustris* var. *major* Sonder; *E. smallii* Britton var. *smallii*; *E. smallii* Britton var. *major* (Sonder) Seymour]

Eleocharis parvula (Roemer & Schultes) Link *ex* Bluff, Nees & Schauer - . 2n = (8), 10.
Brackish or saline shores and marshes.

Eleocharis quadrangulata (Michaux) Roemer & Schultes - . 2n = ?
Lake and pond shores. [*E. quadrangulata* var. *crassior* Fernald]



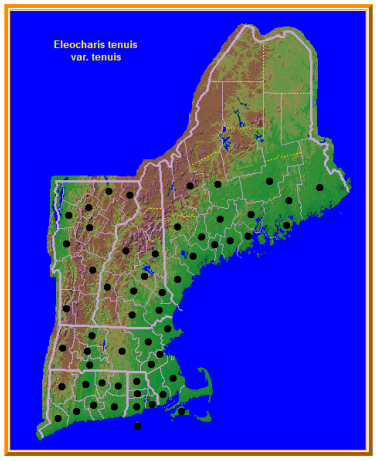


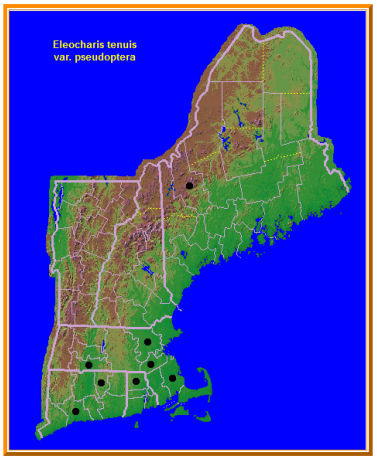


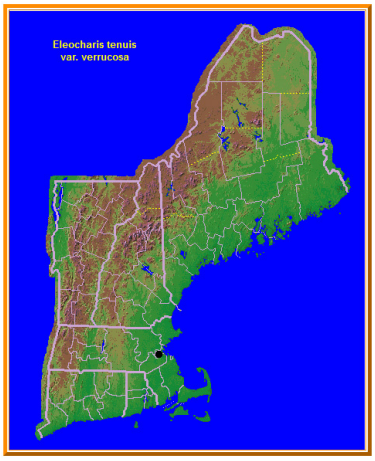
Eleocharis quinqueflora (Hartmann) O. Schwarz - . 2n = 20, 40, 46, 50, 80, ca. 100, 136.
Calcareous shores and swamps. [*E. pauciflora* (Lightfoot) Link var. *fernaldii* Svenson]

Eleocharis robbinsii Oakes - . 2n = ?
Shallow water of lakes and ponds, usually in muddy soil.

Eleocharis rostellata (Torrey) Torrey - . 2n = ?
Salt marshes.



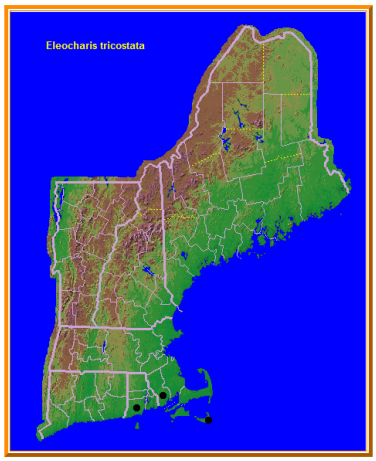


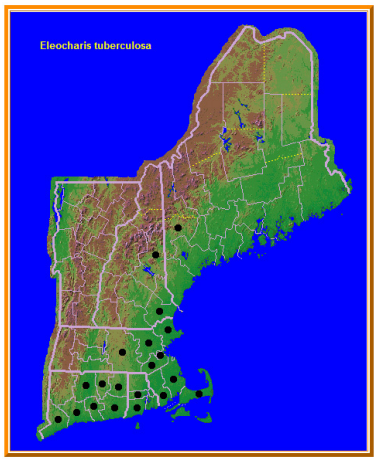


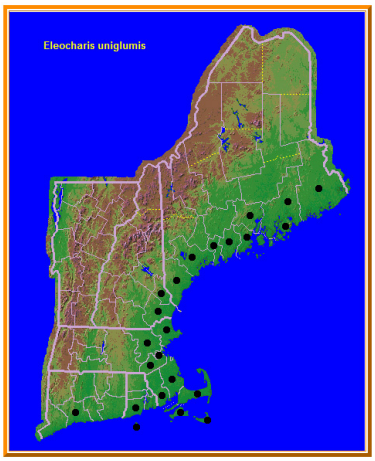
Eleocharis tenuis (Willdenow) Schultes var. ***tenuis*** - . 2n = 24.
Freshwater shores, swamps, bogs.

Eleocharis tenuis (Willdenow) Schultes var. ***pseudoptera*** (Weatherby) Svenson - . 2n = 20, 38, 39.
Rich woods and meadows.

Eleocharis tenuis (Willdenow) Schultes var. ***verrucosa*** (Svenson) Svenson - . 2n = 20.
Freshwater shores, often calcareous, wet woods.



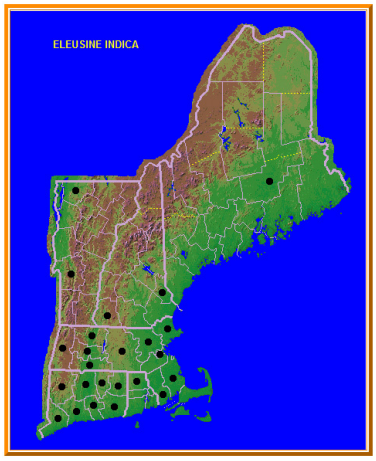


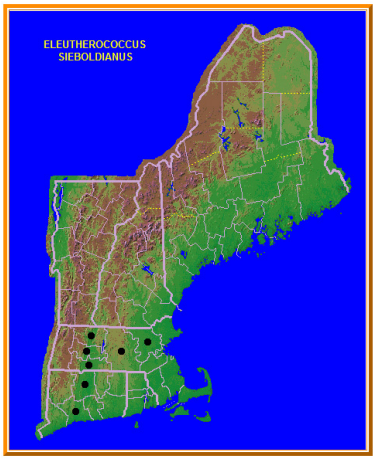


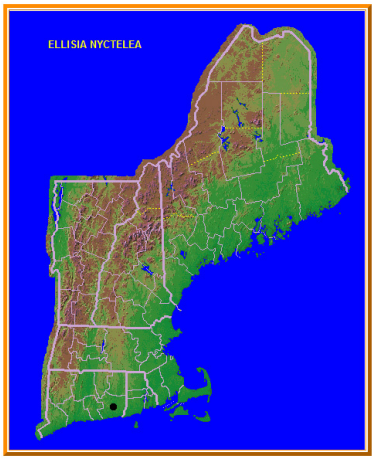
Eleocharis tricostata Torrey - . 2n = ?
Pond shores and sphagnous depressions of the coastal plain.

Eleocharis tuberculosa (Michaux) Roemer & Schultes - . 2n = 30.
Pond and lake shores, bogs, swamps.

Eleocharis uniglumis (Link) Schultes - **Salt Marsh Spikerush**. 2n = (16), (38-43), (44), 46, (47-51), (54-56), (60-68), (71), (73-82), (85), (88-92).
Salt or brackish marshes. [*E. halophila* (Fernald & Brackett) Fernald & Brackett]







ELEUSINE (Family: Poaceae)

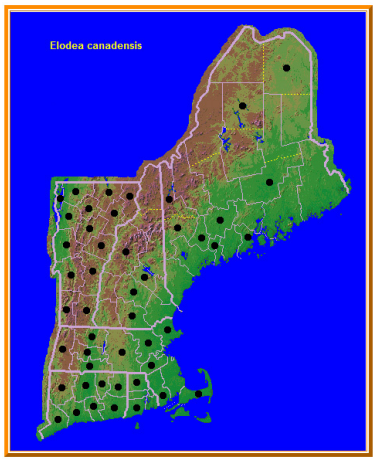
ELEUSINE INDICA (Linnaeus) Gaertner - **Wiregrass**. 2n = 18, (20), (28), (36), (54).
Waste places, yards. From the Old World.

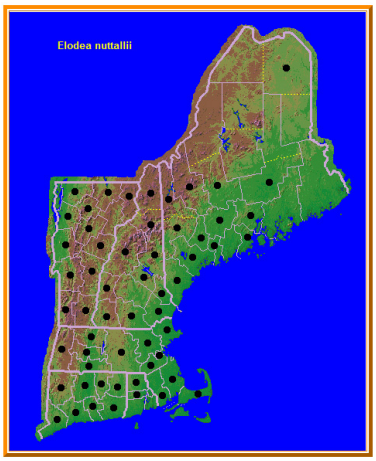
ELEUTHEROCOCCUS (Family: Araliaceae)

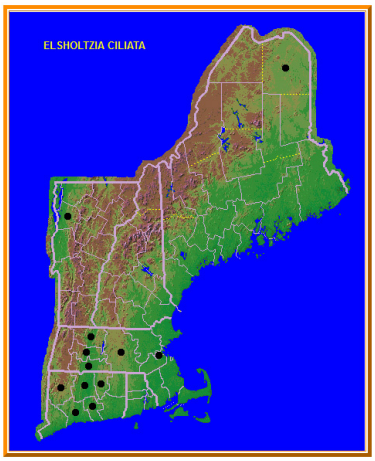
ELEUTHEROCOCCUS SIEBOLDIANUS (Makino) Koidzumi - . 2n = 48.
Roadsides, waste places, woodlands near waste places. From Japan. [*E. PENTAPHYLLUS* (Siebold & Zuccarini) Nakai; *ACANTHOPANAX SIEBOLDIANUS* Makino]

ELLISIA (Family: Hydrophyllaceae)

ELLISIA NYCTELEA (Linnaeus) Linnaeus - **Water-pod**. 2n = 20.
Fields. From farther west and south.







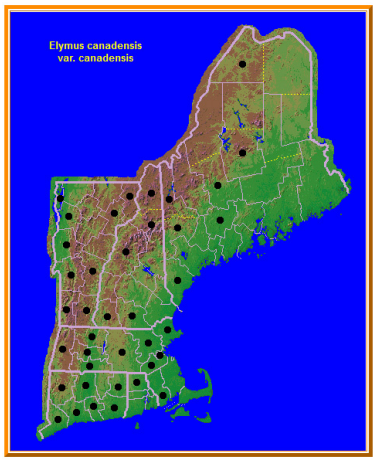
ELODEA (Family: Hydrocharitaceae)

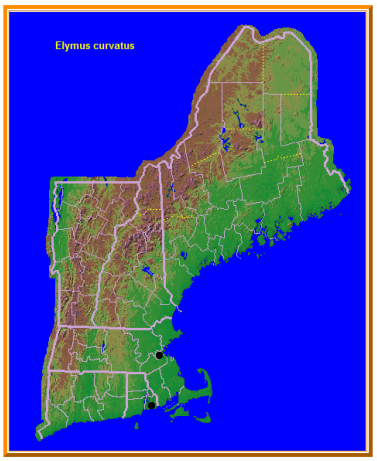
Elodea canadensis Michaux - . 2n = 24, (32), (40), 48, (56), (64), (72), (96).
Ponds, lakes and quiet streams, mostly basic. [*Anacharis canadensis* (Michaux) Planchon]

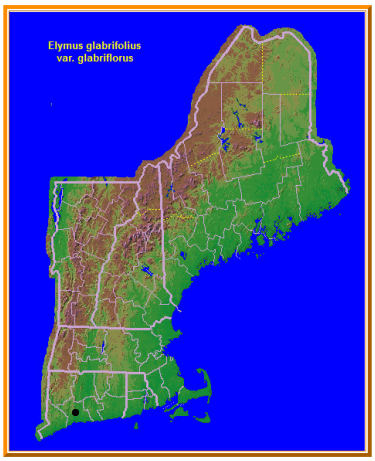
Elodea nuttallii (Planchon) H. St. John - . 2n = 48.
Ponds, lakes and streams, acidic to moderately basic. [*Anacharis nuttallii* Planchon]

ELSHOLTZIA (Family: Lamiaceae)

ELSHOLTZIA CILIATA (Thunberg) Hylander - . 2n = 16, 18, (32).
Waste places, roadsides, railroads, fields. From Asia.





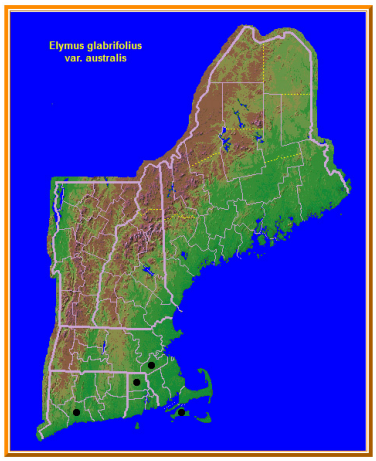


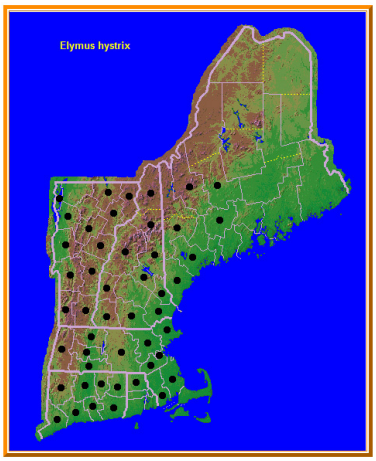
ELYMUS (Family: Poaceae)

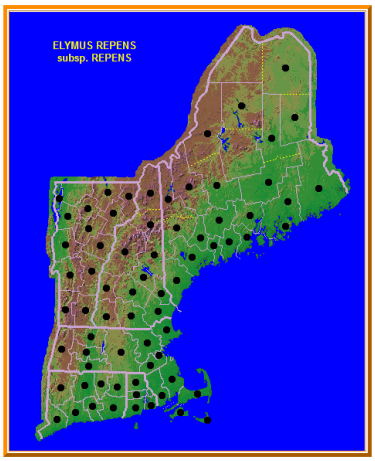
Elymus canadensis Linnaeus var. ***canadensis*** - **Canada Wild Rye**. 2n = (14), 28.
Dry, sandy, gravelly, or rocky soil, railroads.

Elymus curvatus Piper - . 2n = 28.
Rich thickets, alluvium. [*E. submuticus* (Hooker) Smyth; *E. virginicus* Linnaeus var. *submuticus* Hooker]

Elymus glabriflorus (Vasey *ex* L.H. Dewey) Scribner & C.R. Ball var. ***glabriflorus*** - . 2n = 28.
Rich thickets and alluvium. [*E. virginicus* Linnaeus var. *glabriflorus* (Vasey *ex* L.H. Dewey) Bush]



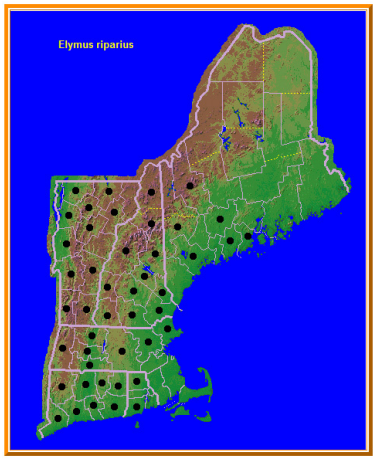


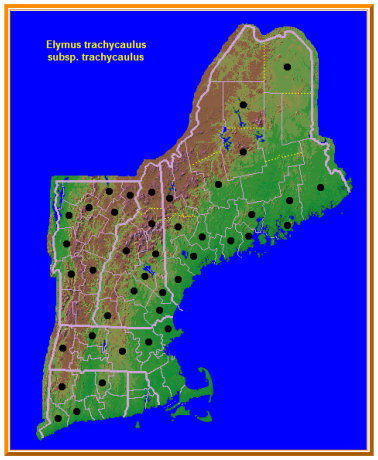


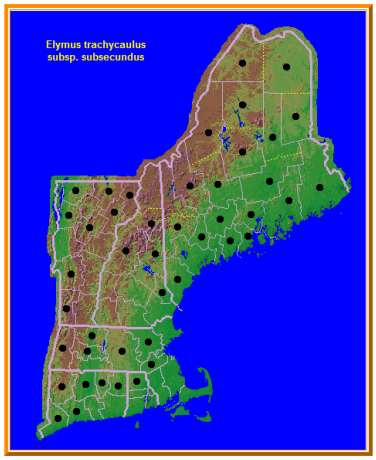
Elymus glabriflorus (Vasey *ex* L.H. Dewey) Scribner & C.R. Ball var. ***australis*** (Scribner & C.R. Ball) J.J.N. Campbell - . 2n = ?
Dry, rocky woods. [*E. virginicus* var. *australis* (Scribner & C.R. Ball) Hitchcock]

Elymus hystrix Linnaeus - **Bottlebrush-grass**. 2n = 28.
Rich woods and thickets. [*E. hystrix* var. *bigelovianus* (Fernald) Bowden; *Hystrix patula* Moench var. *patula*; *H. patula* var. *bigeloviana* (Fernald) Deam]

ELYMUS REPENS (Linnaeus) Gould subsp. ***REPENS*** - **Quackgrass**. 2n = (21), (28), 42, (56), (63).
Roadsides, waste places, fields. From Eurasia. [*AGROPYRON REPENS* (Linnaeus) P. Beauvois; *A. REPENS* var. *SUBULATUM* Roemer & Schultes; *ELYTRIGIA REPENS* (Linnaeus) Desvaux *ex* Nevski]



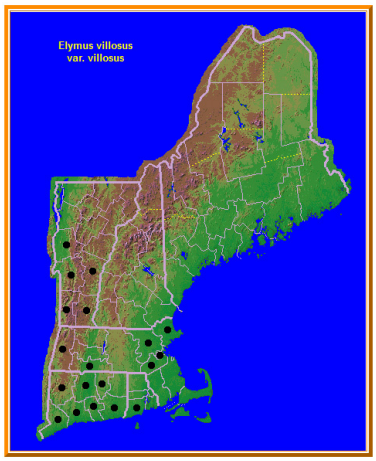


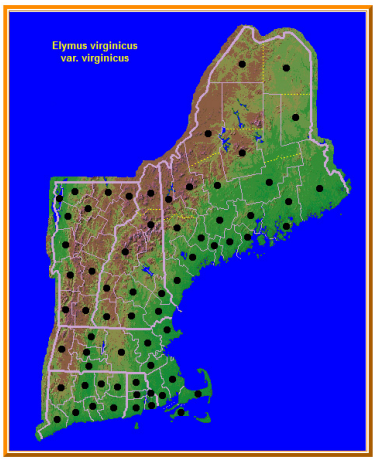


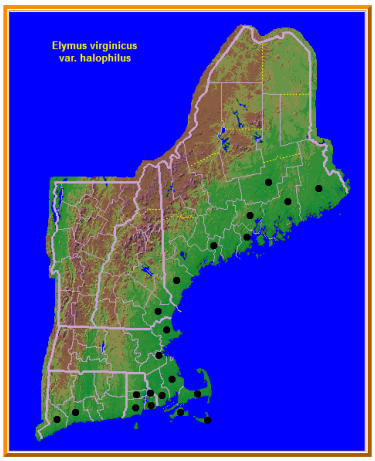
Elymus riparius Wiegand - . 2n = 28.
Moist woods, stream banks.

Elymus trachycaulus (Link) Gould *ex* Shinners subsp. ***trachycaulus*** - **Slender Wheatgrass**. 2n = 28, (56).
Open soils, woodland margins, in *Sphagnum*, salt marsh margins, railroad ballast, roadsides, talus, rocky woods, dry ledges. [*Agropyron trachycaulum* (Link) Malte *ex* H.F. Lewis var. *trachycaulum*; *A. trachycaulum* var. *majus* (Vasey) Fernald; *A. trachycaulum* var. *novae-angliae* (Scribner) Fernald]

Elymus trachycaulus (Link) Gould *ex* Shinners subsp. ***subsecundus*** (Link) Á. Löve & D. Löve - . 2n = 28, (56).
Woodlands, calcareous or granite ledges, lime cobble, roadsides, railroad ballast, sphagnous, swampy meadows. [*Agropyron trachycaulum* (Link) Malte *ex* H.F. Lewis var. *glaucum* (Pease & Moore) Malte]



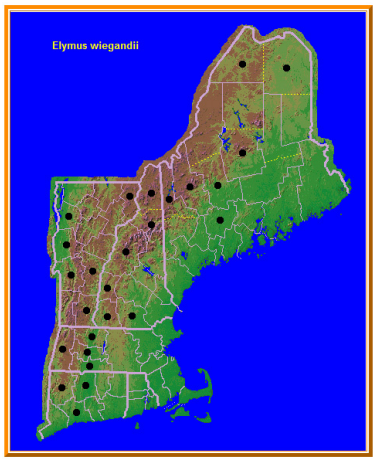


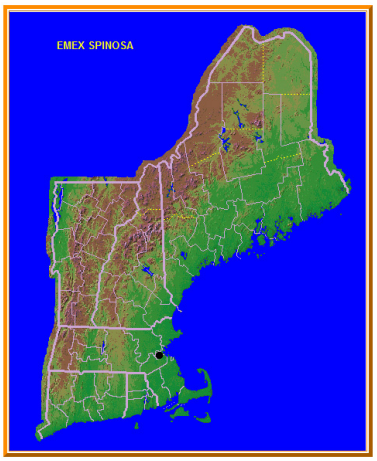


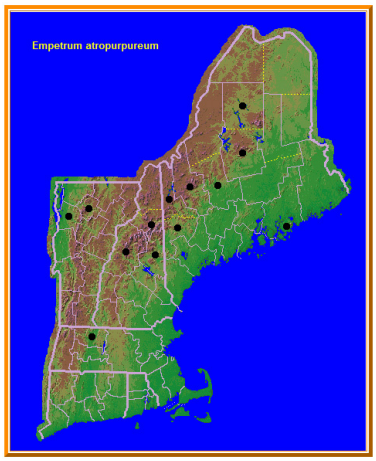
Elymus villosus Muhlenberg *ex* Willdenow var. ***villosus*** - . 2n = 28.
Rich woods, thickets, shores.

Elymus virginicus Linnaeus var. ***virginicus*** - . 2n = 28.
Shores, rich thickets. [*E. virginicus* var. *intermedius* (Vasey *ex* S. Watson & J.M. Coulter) Bush; *E. virginicus* var. *jejunus* (Ramaley) Bush]

Elymus virginicus Linnaeus var. ***halophilus*** (E.P. Bicknell) Wiegand - . 2n = ?
Seacoast.







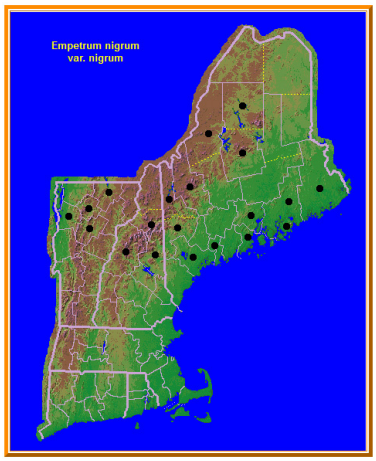
Elymus wiegandii Fernald - . 2n = 28.
Alluvial soil, riverbanks, rich woods.

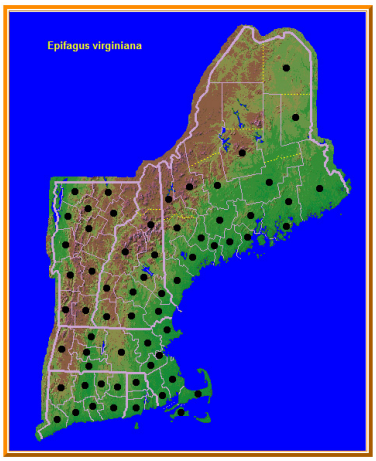
EMEX (Family: Polygonaceae)

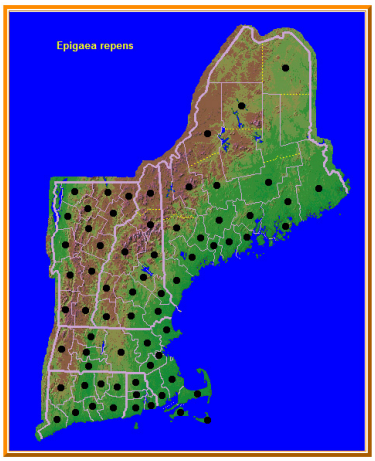
EMEX SPINOSA (Linnaeus) Campderá - **Devil's-thorn**. 2n = 20.
Disturbed areas. From Mediterranean region.

EMPETRUM (Family: Ericaceae)

Empetrum atropurpureum Fernald & Wiegand - **Purple Crowberry**. 2n = 52.
Exposed mountain slopes near treeline. [*E. eamesii* Fernald & Wiegand subsp. *atropurpureum* (Fernald & Wiegand) D. Löve; *E. rubrum* Vahl *ex* Willdenow var. *atropurpureum* (Fernald & Wiegand) R.D. Good]







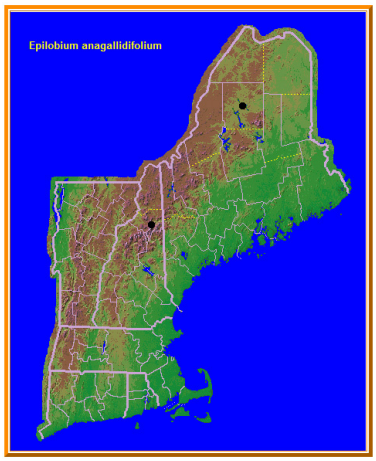
Empetrum nigrum Linnaeus var. ***nigrum*** - **Black Crowberry**. 2n = 26, (39), (52).
Alpine areas.

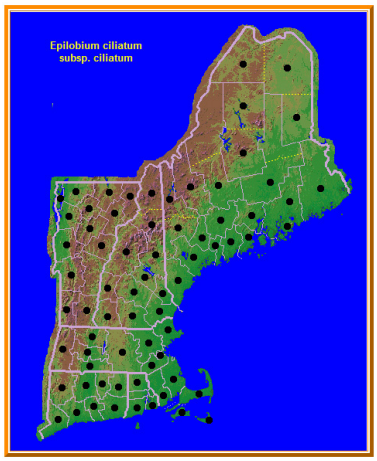
EPIFAGUS (Family: Orobanchaceae)

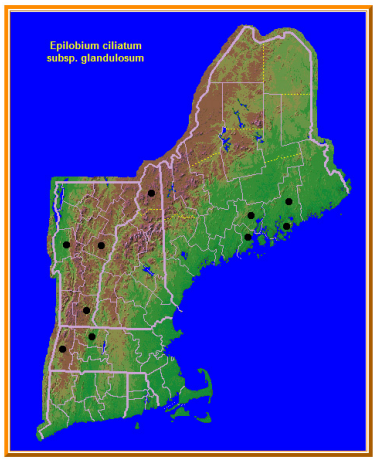
Epifagus virginiana (Linnaeus) W.P.C. Barton - **Beechdrops**. 2n = ?
Under beech trees, parasitic on their roots.

EPIGAEA (Family: Ericaceae)

Epigaea repens Linnaeus - **Trailing Arbutus**. 2n = 24.
Woods, clearings, in sandy, peaty or rocky soil. [*E. repens* var. *glabrifolia* Fernald]





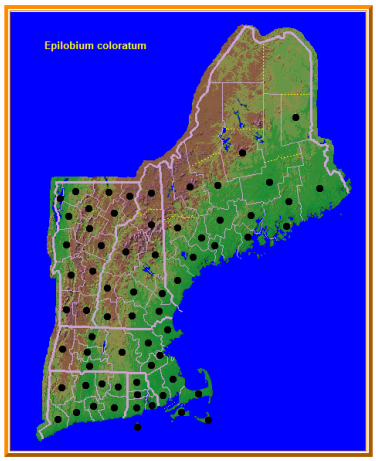


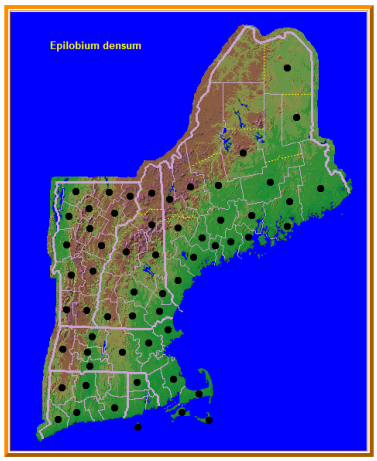
EPILOBIUM (Family: Onagraceae)

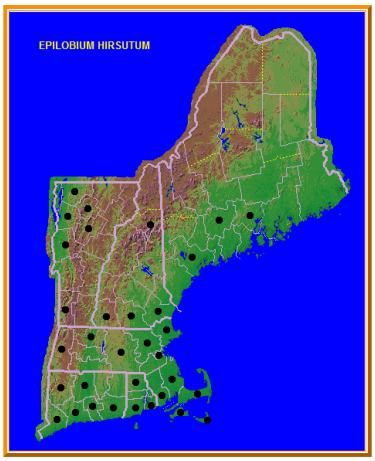
Epilobium anagallidifolium Lamarck - . 2n = 36.
Alpine areas. [*E. alpinum* Linnaeus, rejected name, in part]

Epilobium ciliatum Rafinesque subsp. ***ciliatum*** - . 2n = 36.
Wet, open woodlands, damp thickets and fields, shores, marshes. [*E. glandulosum* Lehmann var. *adenocaulon* (Haussknecht) Fernald]

Epilobium ciliatum Rafinesque subsp. ***glandulosum*** (Lehmann) Hoch & P.H. Raven - . 2n = 36.
Damp thickets. [*E. glandulosum* Lehmann var. *cardiophyllum* Fernald; *E. glandulosum* var. *occidentale* (Trelease) Fernald]



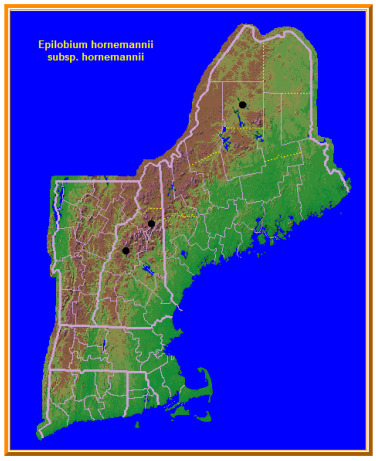


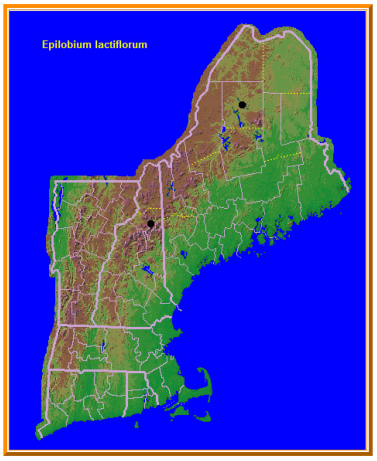


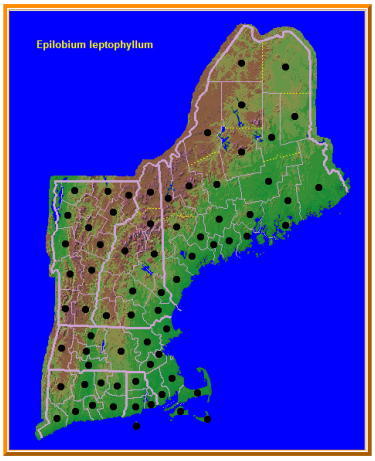
Epilobium coloratum Biehler - **Eastern Willow-herb**. 2n = 36.
Swamps, boggy thickets, springy slopes, shores, marshes.

Epilobium densum Rafinesque - . 2n = 36.
Bogs, swamps, meadows, mossy thickets, marshes, shores. [*E. strictum* Muhlenberg *ex* Sprengel]

EPILOBIUM HIRSUTUM Linnaeus - . 2n = 36, (54).
Waste places, roadside thickets, meadows. From Eurasia, Africa.



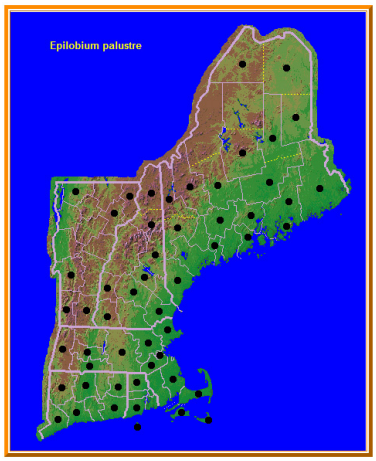


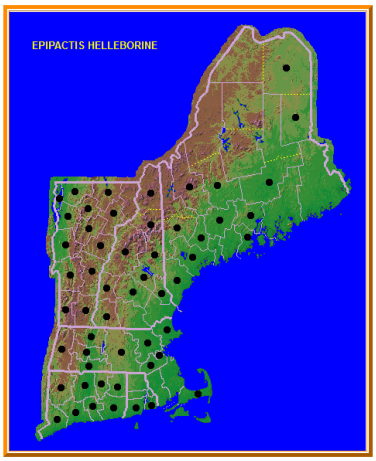


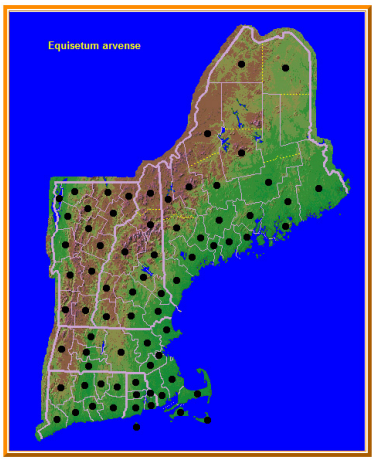
Epilobium hornemannii Reichenbach subsp. ***hornemannii*** - . 2n = 36.
Margins of brooks, damp rocks, at high altitudes, often in wet moss.

Epilobium lactiflorum Haussknecht - . 2n = 36.
Alpine areas. [*E. alpinum* Linnaeus, rejected name, in part]

Epilobium leptophyllum Rafinesque - . 2n = 36.
Bogs, swamps, meadows, marshes.







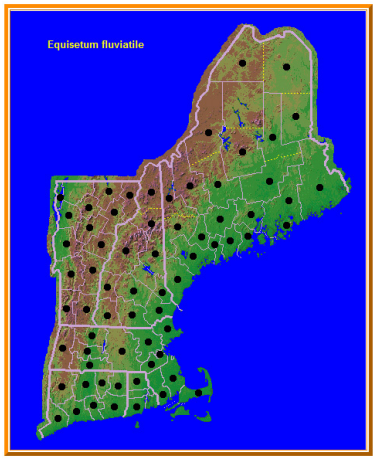
Epilobium palustre Linnaeus - . 2n = (18), 36.
Bogs, swamps, meadows, swales. [*E. palustre* var. *grammadophyllum* Haussknecht; *E. palustre* var. *labradoricum* Haussknecht; *E. palustre* var. *oliganthum* (Michaux) Fernald]

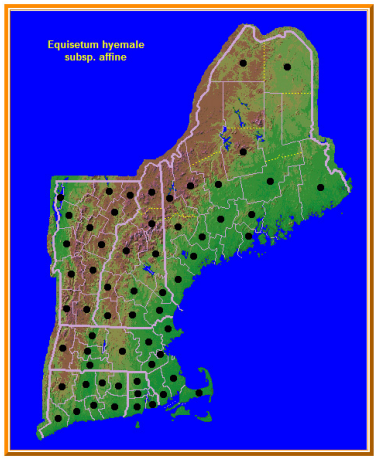
EPIPACTIS (Family: Orchidaceae)

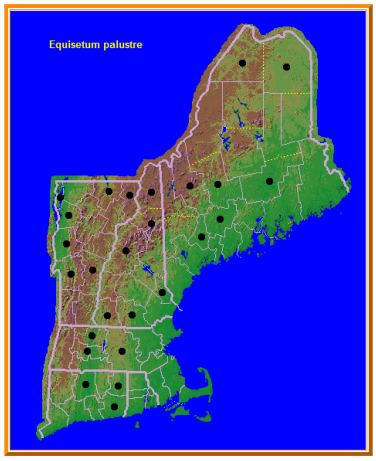
EPIPACTIS HELLEBORINE (Linnaeus) Crantz - **Helleborine**. 2n = (18), (20), (32), (36), (38), 40, (44), (80).
Woods, thickets, roadsides. From Europe.

EQUISETUM (Family: Equisetaceae)

Equisetum arvense Linnaeus - **Field Horsetail**. 2n = 216.
Open, low ground, roadsides, damp, open woods and thickets. [*E. arvense* var. *boreale* (Bongard) Ruprecht]



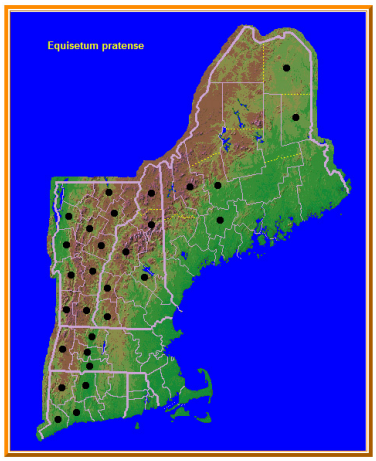


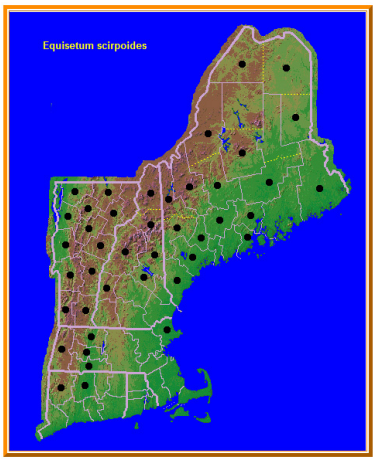


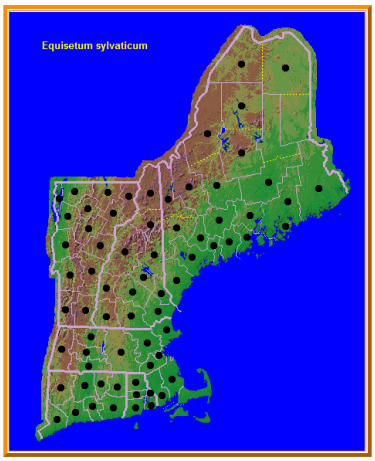
Equisetum fluviatile Linnaeus - **Water Horsetail**. 2n = 216.
Shores, shallow water of pond and river margins, swales.

Equisetum hyemale Linnaeus subsp. ***affine*** (Engelmann) Calder & Roy L. Taylor - **Common Scouring Rush**. 2n = 216.
Sandy banks and shores, alluvium, moist wooded slopes, roadsides. [*E. hyemale* var. *affine* (Engelmann) A.A. Eaton; *E. hyemale* var. *pseudohyemale* (Farwell) C.V. Morton]

Equisetum palustre Linnaeus - **Marsh Horsetail**. 2n = 216.
Shores, flooded meadows, swamps, and marshes.



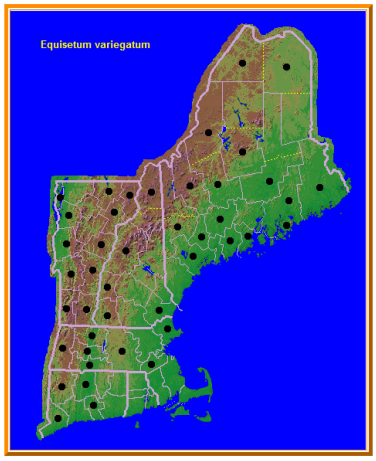


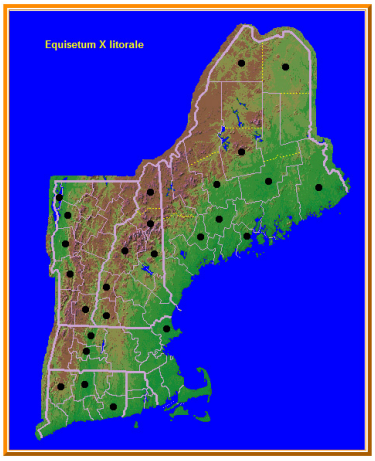


Equisetum pratense Ehrhart - **Meadow Horsetail**. 2n = 216.
Rich slopes in humus-rich neutral soils, meadows, alluvial thickets.

Equisetum scirpoides Michaux - **Dwarf Scouring Rush**. 2n = 216.
Well-drained slopes, in cool woods, frequently under *Tsuga*, often growing in moss.

Equisetum sylvaticum Linnaeus - **Wood Horsetail**. 2n = 216.
Cool moist woods, swamps, around springs. [*E. sylvaticum* var. *pauciramosum* Milde]



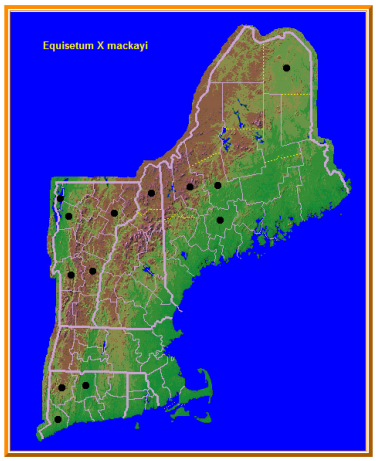


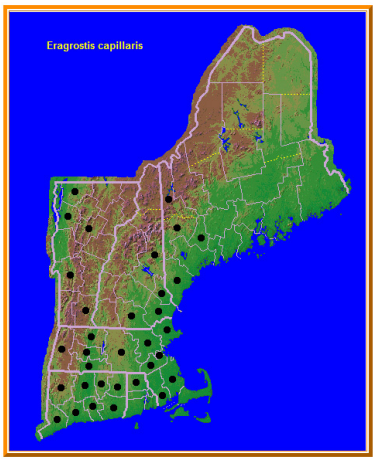
Equisetum variegatum Schleicher *ex* F. Weber & D. Mohr - **Variegated Horsetail**. 2n = 216.
Riverbanks, shores, bog margins, moist gravel, and damp, calcareous sands.

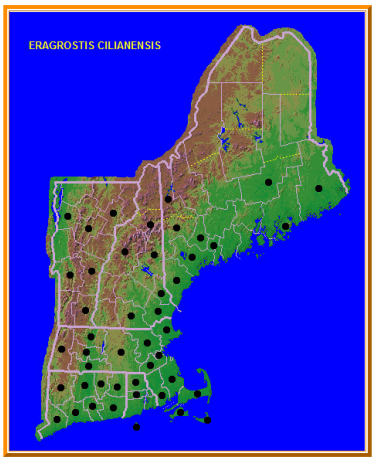
Equisetum hybrids

Equisetum X ***ferrissii*** Clute (*pro species*) - .
[*E. hyemale* Linnaeus X *E. laevigatum* A. Braun; *E. hyemale* var. *intermedium* A.A. Eaton; *E. hyemale* var. *elatum* (Engelmann) C.V. Morton]

Equisetum X ***litorale*** Kühlewein *ex* Ruprecht (*pro species*) - **Shore Horsetail**.
[*E. arvense* Linnaeus X *E. fluviatile* Linnaeus]





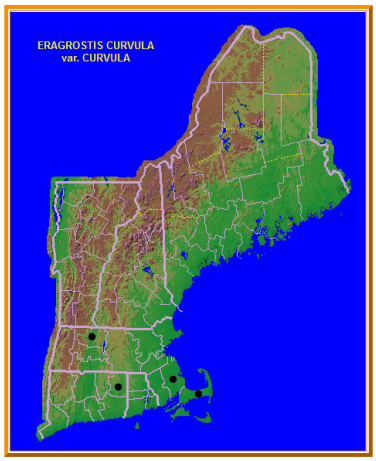


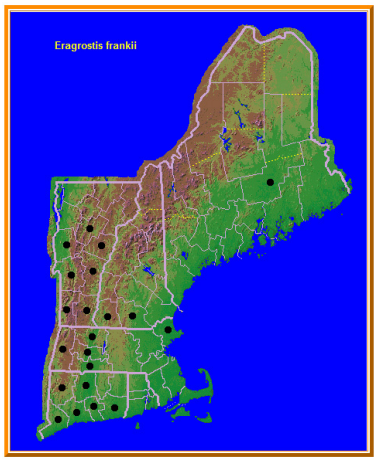
Equisetum X ***mackayi*** (Newman) Brichan - .
[*E. hyemale* Linnaeus X *E. variegatum* Schleicher *ex* F. Weber & D. Mohr; *E.* X *trachyodon* (A. Braun) W.D.J. Koch; *E. variegatum* Schleicher *ex* F. Weber & D. Mohr var. *jesupii* A.A. Eaton]

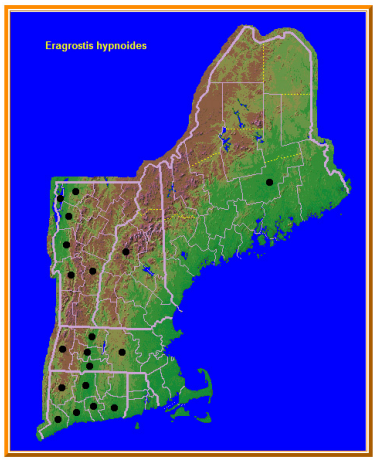
ERAGROSTIS (Family: Poaceae)

Eragrostis capillaris (Linnaeus) Nees - **Lacegrass**. 2n = 100.
Dry, sandy or rocky soil, roadsides.

ERAGROSTIS CILIANENSIS (Allioni) Vignolo-Lutati *ex* Janchen - **Stinkgrass**. 2n = 20, (40).
Waste land, cultivated fields, railroads. From Europe. [*E. MEGASTACHYA* (Koeler) Link]



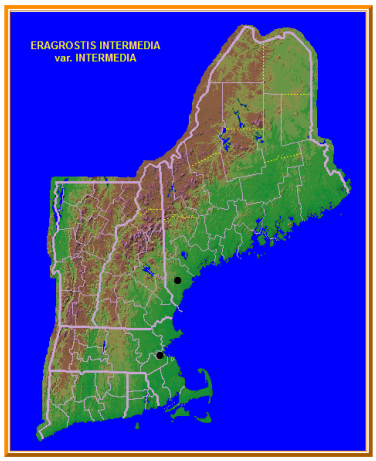


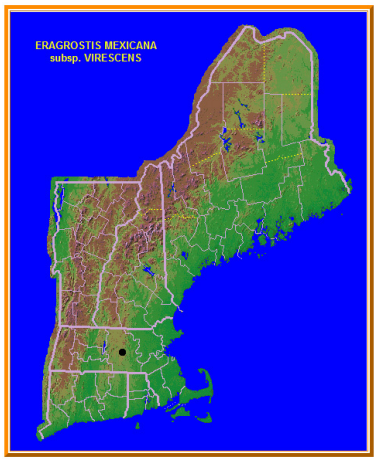


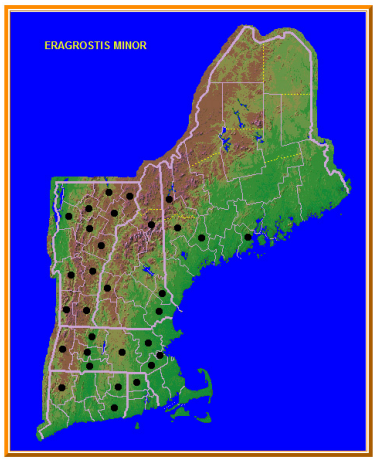
ERAGROSTIS CURVULA (Schrader) Nees var. ***CURVULA*** - **Weeping Lovegrass**. 2n = (20), 40, (50), (54), (60), (70), (80).
Waste areas. From South Africa.

Eragrostis frankii (Fischer, C.A. Meyer & Avé-Lallemant) C.A. Meyer *ex* Steudel - . 2n = 40, 80.
Sandy riverbanks, roadsides.

Eragrostis hypnoides (Lamarck) Britton, Sterns & Poggenburg - **Creeping Lovegrass**. 2n = 20, 40.
Gravelly or sandy shores.



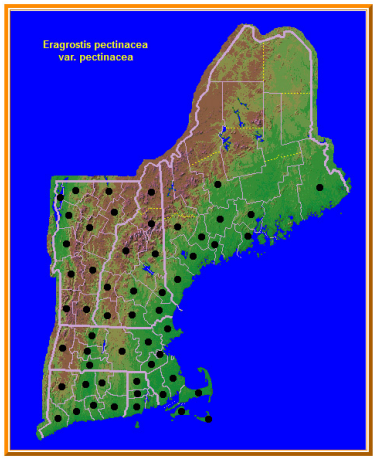


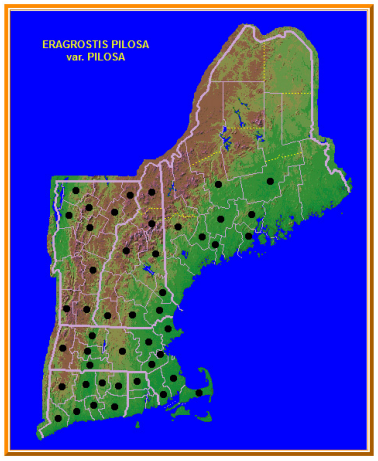


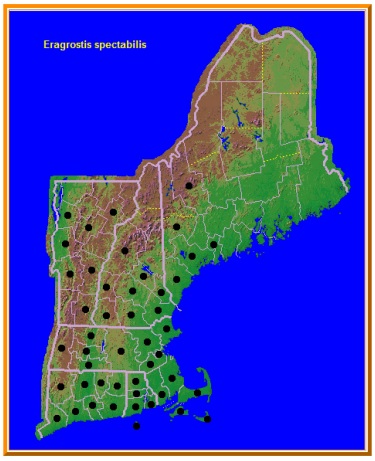
ERAGROSTIS INTERMEDIA Hitchcock var. ***INTERMEDIA*** - **Plains Lovegrass**. 2n = 60, 72, ca. 74, 76, 80, 100, ca. 108, 120.
Dry slopes. From farther south and west.

ERAGROSTIS MEXICANA (Hornemann) Link subsp. ***VIRESCENS*** (J. Presl) S.D. Koch & Sánchez Vega - . 2n = 60.
Ballast. From South America. [*E. VIRESCENS* J. Presl]

ERAGROSTIS MINOR Host - . 2n = (20), (30), 40, (44), (60), (80).
Roadsides, railroads, waste places. From Europe. [*E. POAEOIDES* P. Beauvois *ex* Roemer & Schultes]



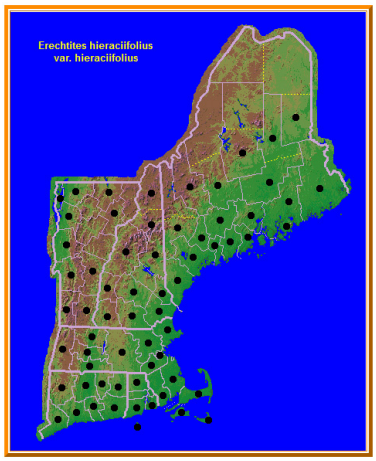


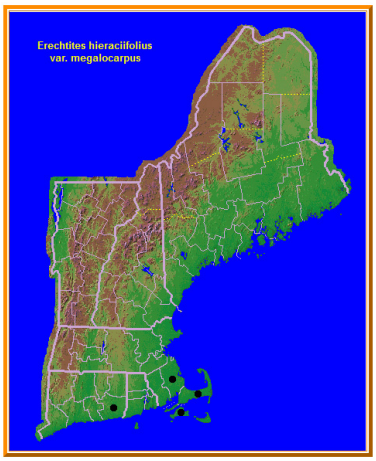


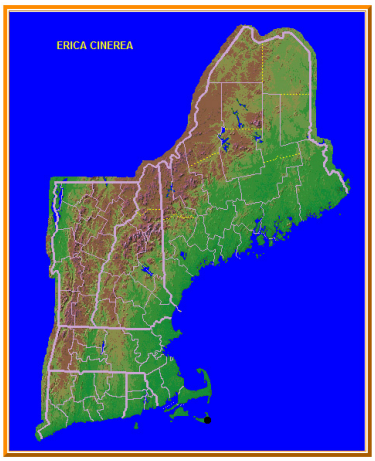
Eragrostis pectinacea (Michaux) Nees var. ***pectinacea*** - . 2n = 60, (80).
Roadsides, railroads, waste places. [*E. diffusa* Buckley]

ERAGROSTIS PILOSA (Linnaeus) P. Beauvois var. ***PILOSA*** - **India Lovegrass**. 2n = (20), (30), (36), 40, (50), (60), (72).
Roadsides, railroads, barnyards, sandy places. From eastern Asia. [*E. MULTICAULIS* Steudel]

Eragrostis spectabilis (Pursh) Steudel - **Purple Lovegrass**. 2n = 20, 40, 42.
Coastal sands, dry sterile soil. [*E. spectabilis* var. *sparsihirsuta* Farwell]







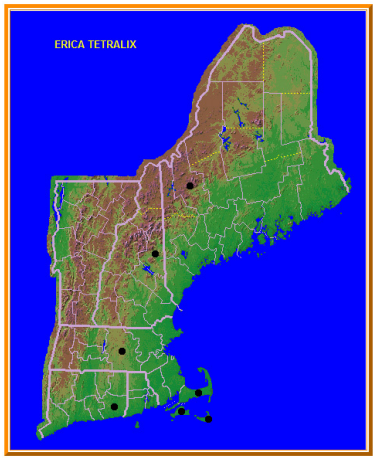
ERECHTITES (Family: Asteraceae)

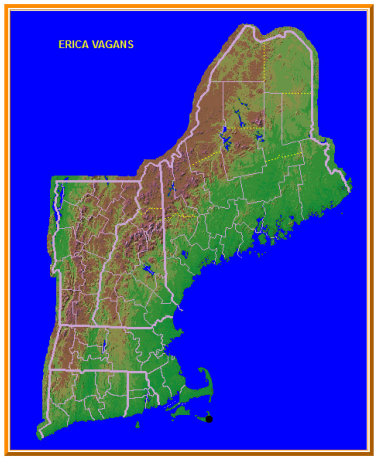
Erechtites hieraciifolius (Linnaeus) Rafinesque *ex* de Candolle var. ***hieraciifolius*** - **Pilewort**. 2n = 40.
Damp thickets, clearings (especially burned areas), waste places, shores. [*E. hieraciifolius* var. *intermedius* Fernald; *E. hieraciifolius* var. *prealtus* (Rafinesque) Fernald]

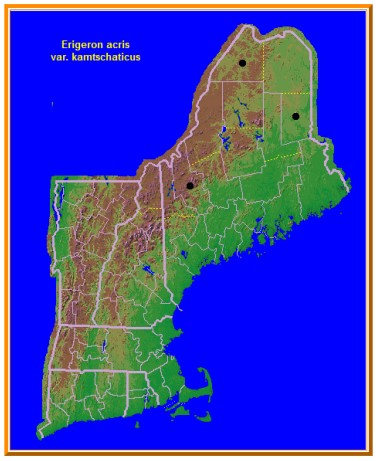
Erechtites hieraciifolius (Linnaeus) Rafinesque *ex* de Candolle var. ***megalocarpus*** (Fernald) Cronquist - **Saltmarsh Pilewort**. 2n = ?
Salt marshes, sandy, sea beaches. [*E. megalocarpus* Fernald]

ERICA (Family: Ericaceae)

ERICA CINEREA Linnaeus - **Bell Heather**. 2n = 24.
Moors, open woods, roadsides. From Europe.





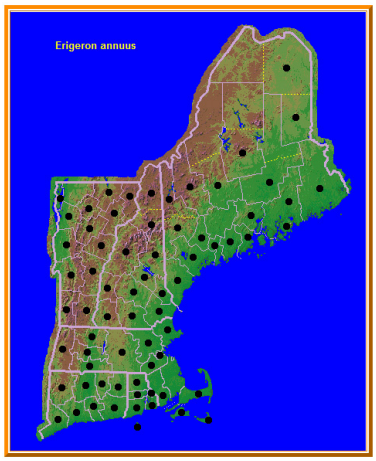


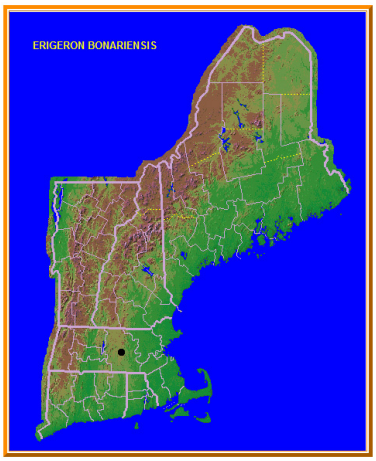
ERICA TETRALIX Linnaeus - **Cross-leaved Heath**. 2n = 24.
Dry, sandy fields, peaty clearings, roadsides. From Europe.

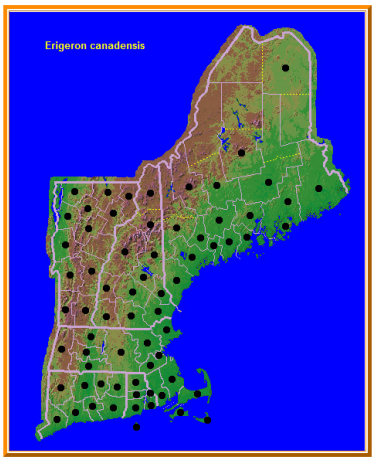
ERICA VAGANS Linnaeus - **Cornish Heath**. 2n = 24.
Open, sandy, pine woods. From Europe.

ERIGERON (Family: Asteraceae)

Erigeron acris Linnaeus var. ***kamtschaticus*** (de Candolle) Herder - . 2n = 18.
Damp banks, thickets, clearings, roadsides. [*E. angulosus* Gaudin var. *kamtschaticus* (de Candolle) H. Hara]



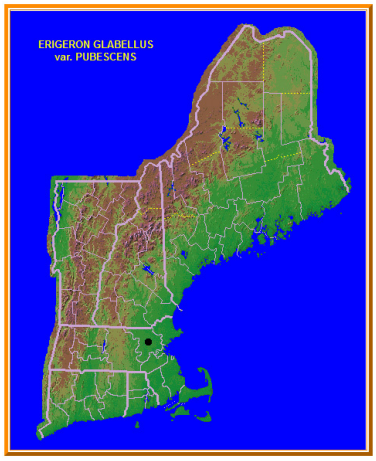


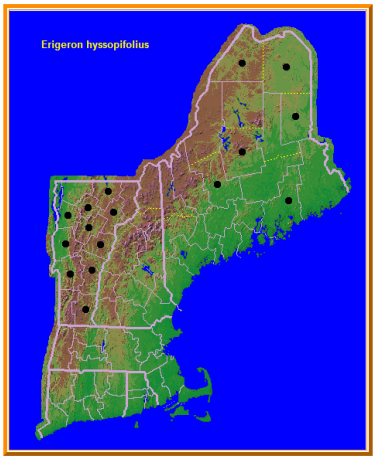


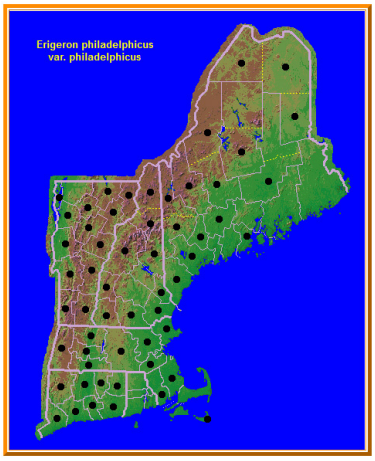
Erigeron annuus (Linnaeus) Persoon - **Daisy Fleabane**. 2n = (18), (26), 27, (28), (36), (54).
Roadsides, fields, waste places.

ERIGERON BONARIENSIS Linnaeus - **Hairy Fleabane**. 2n = (18), (26), (36), (32), 54.
Wool waste. Probably from South America. [*CONYZA BONARIENSIS* (Linnaeus) Cronquist]

Erigeron canadensis Linnaeus - **Horseweed**. 2n = (9), 18, (54).
Fields, roadsides, waste places. [*E. pusillus* Nuttall; *Conyza canadensis* (Linnaeus) Cronquist]



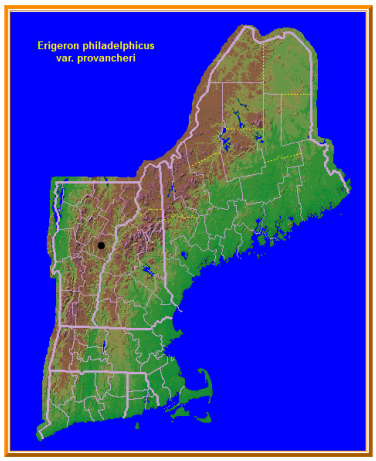


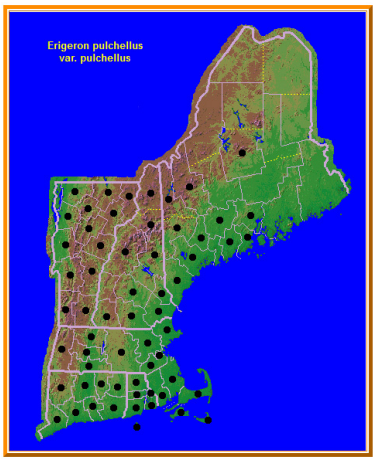


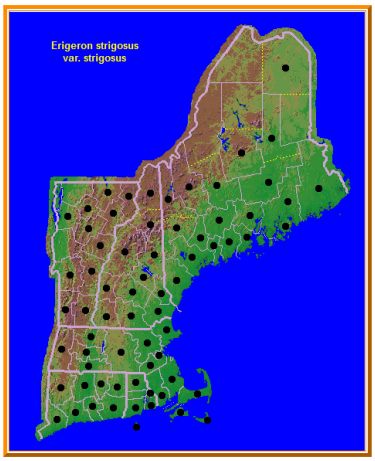
ERIGERON GLABELLUS Nuttall var. ***PUBESCENS*** Hooker - **Streamside Fleabane**. 2n = 18, 54.
Swamps. From farther west.

Erigeron hyssopifolius Michaux - . 2n = 18.
Rocky ledges.

Erigeron philadelphicus Linnaeus var. ***philadelphicus*** - **Common Fleabane**. 2n = 18.
Open woods, wood margins, fields, rich thickets, roadsides.



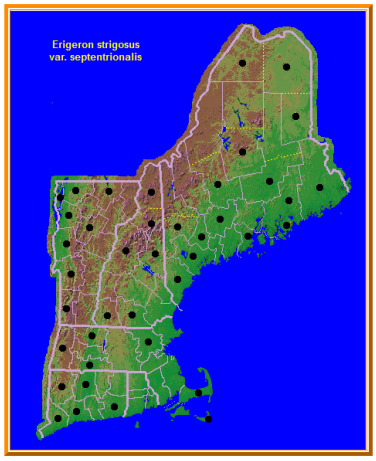


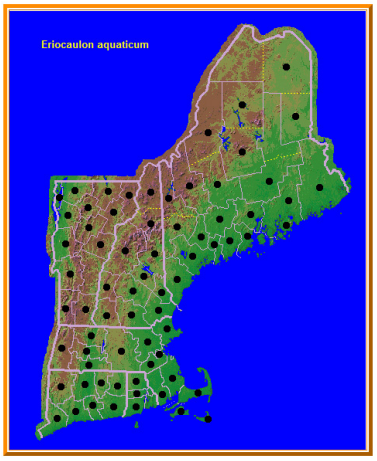


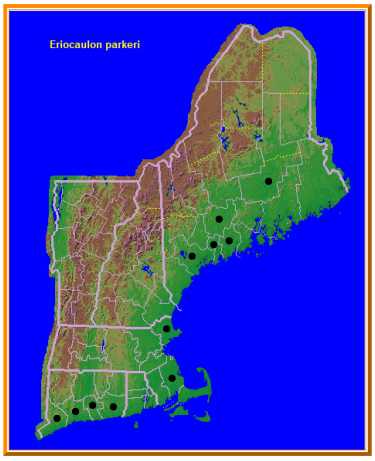
Erigeron philadelphicus Linnaeus var. ***provancheri*** (Victorin & J. Rousseau) B. Boivin - . 2n = 18.
Sandy crevices in shale receiving splashed water of river falls. [*E. provancheri* Victorin & J. Rousseau]

Erigeron pulchellus Michaux var. ***pulchellus*** - **Robin's-plantain**. 2n = (9), 18.
Fields, open woods, roadsides.

Erigeron strigosus Muhlenberg *ex* Willdenow var. ***strigosus*** - **Lesser Daisy Fleabane**. 2n = 18, 27, 36, 54.
Dry, open soil, fields, roadsides. [*E. strigosus* var. *beyrichii* (Fischer & C.A. Meyer) Torrey & A. Gray; *E. strigosus* var. *discoideus* J.W. Robbins *ex* A. Gray]





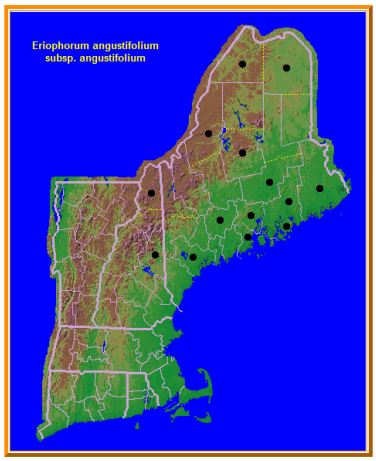


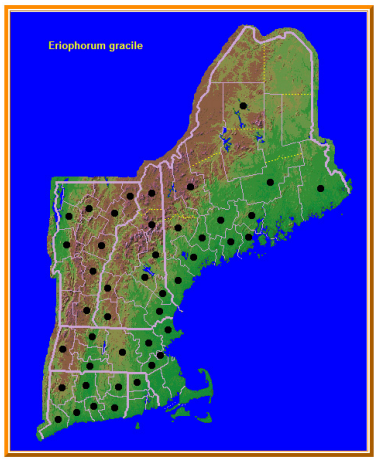
Erigeron strigosus Muhlenberg *ex* Willdenow var. ***septentrionalis*** (Fernald & Wiegand) Fernald - . 2n = 18, 27.
Dry, open soil, fields, roadsides.

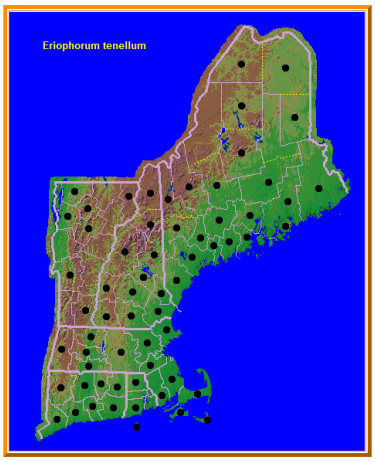
ERIOCAULON (Family: Eriocaulaceae)

Eriocaulon aquaticum (Hill) Druce - **White-buttons**. 2n = 32, 64.
Acid shores, shallow water and bogs. [*E. septangulare* Withering]

Eriocaulon parkeri B.L. Robinson - . 2n = 20, ca. 48.
Tidal mud and estuaries.





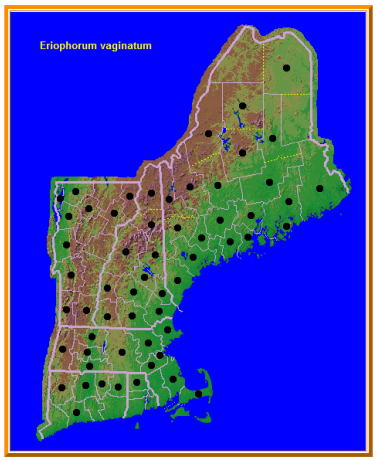


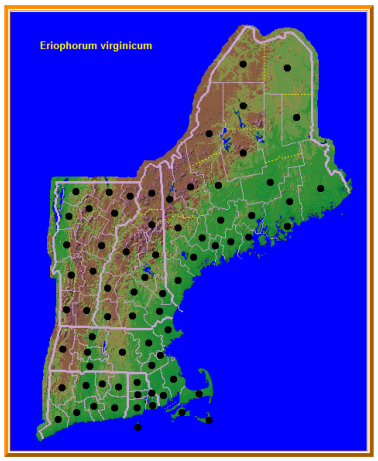
ERIOPHORUM (Family: Cyperaceae)

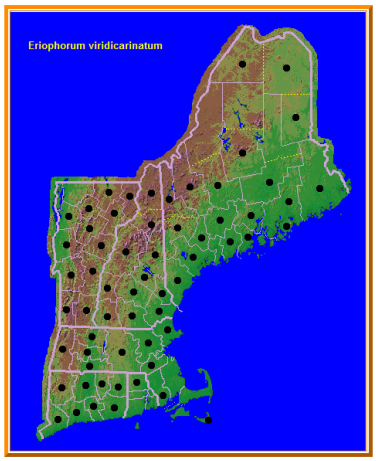
Eriophorum angustifolium Honckeny subsp. ***angustifolium*** - . 2n = (18), (54), 58, (60), (72).
Sphagnum bogs, marshes. [*E. angustifolium* var. *majus* Schultz; *E. angustifolium* subsp. *subarcticum* (V.N. Vassiljev) Hultén *ex* Kartesz & Gandhi; *E. polystachion* Linnaeus - rejected name]

Eriophorum gracile W.D.J. Koch - . 2n = 60, 76.
Meadows, bogs, swamps, usually in sphagnous soils.

Eriophorum tenellum Nuttall - . 2n = ?
Sphagnum bogs.



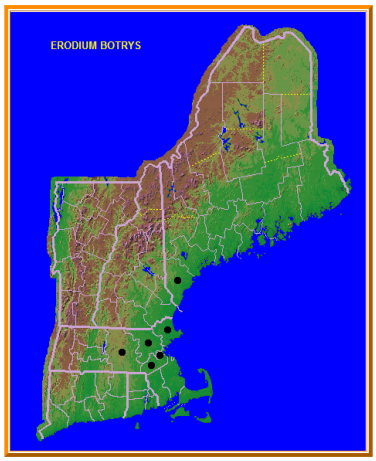


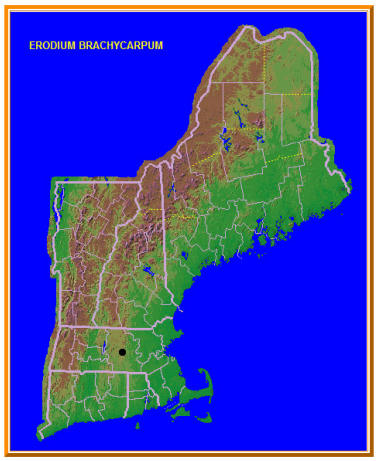


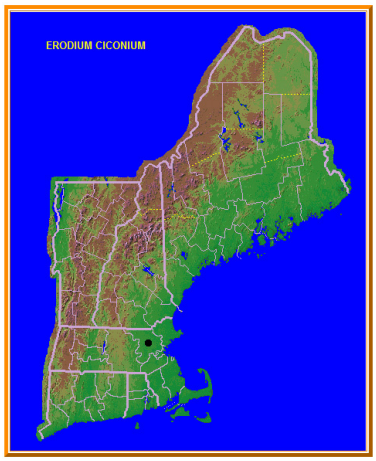
Eriophorum vaginatum Linnaeus - **Tussock Cotton-grass**. 2n = (26), 58, (60), (61), (83).
Sphagnum bogs. [*E. vaginatum* subsp. *spissum* (Fernald) Hultén; *E. spissum* Fernald]

Eriophorum virginicum Linnaeus - **Tawny Cotton-grass**. 2n = 58.
Sphagnum bogs and sphagnous meadows.

Eriophorum viridicarinatum (Engelmann) Fernald - . 2n = 58.
Bogs and meadows, often in calcareous soil.





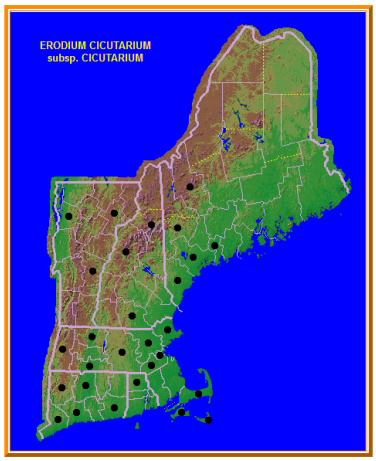


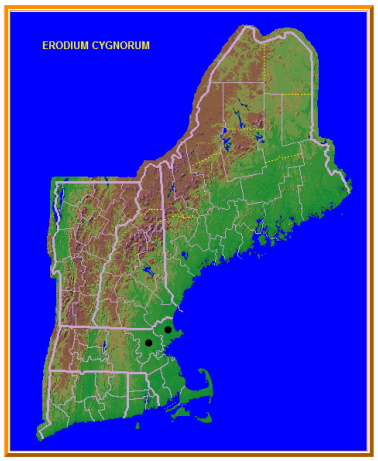
ERODIUM (Family: Geraniaceae)

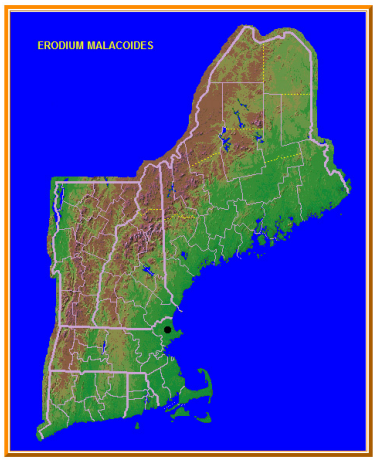
ERODIUM BOTRYS (Cavanilles) Bertoloni - . 2n = 40, (60).
Wool waste. From Eurasia, northwestern Africa.

ERODIUM BRACHYCARPUM (Godron) Thellung - . 2n = 20, 40.
Wool waste. From southern Europe.

ERODIUM CICONIUM (Linnaeus) L'Héritier - . 2n = 18, 20.
Wool waste, waste places. From Eurasia, northern Africa.



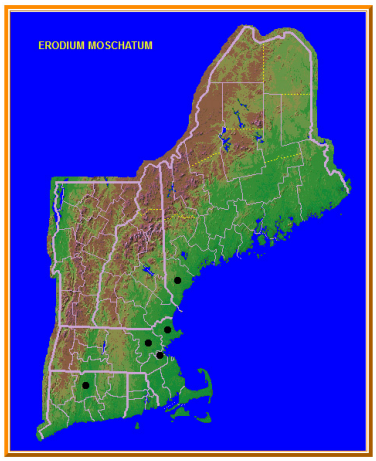


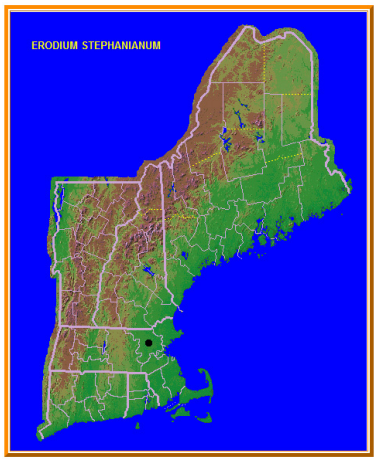


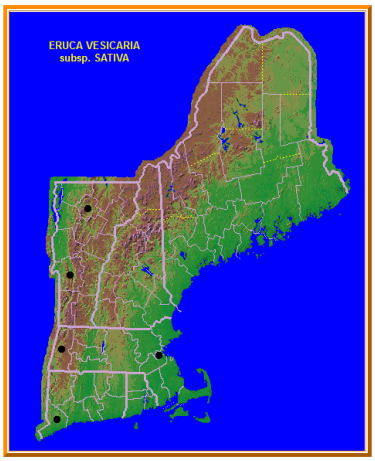
ERODIUM CICUTARIUM (Linnaeus) L'Héritier subsp. ***CICUTARIUM*** - **Alfilaria**. 2n = (18), (20), (36), 40, (42), (54), (56).
Wool waste, waste places, fields, roadsides. From Eurasia, northern Africa.

ERODIUM CYGNORUM Nees - **Australian Stork's-bill**. 2n = 20, 40, 60.
Wool waste. From Australia.

ERODIUM MALACOIDES (Linnaeus) L'Héritier - . 2n = (20), 40.
Wool waste. From Eurasia, northern Africa.





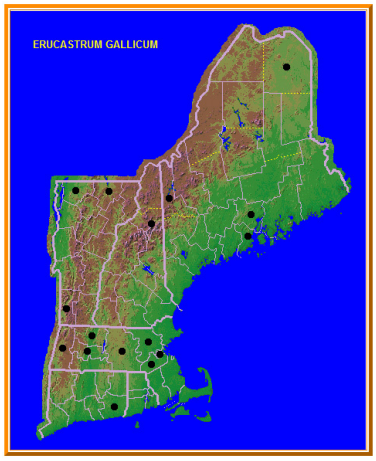


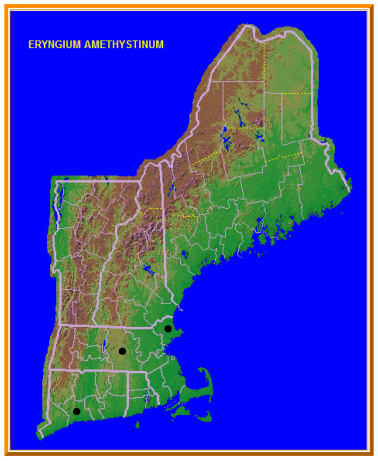
ERODIUM MOSCHATUM (Linnaeus) L'Héritier - . 2n = 20.
Wool waste, waste places, railroads. From Eurasia, northern Africa. [*E. MOSCHATUM* var. *PRAECOX* Lange]

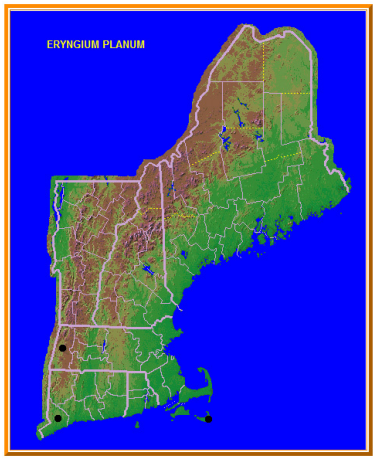
ERODIUM STEPHANIANUM Willdenow - . 2n = 16.
Wool waste. From Asia.

ERUCA (Family: Brassicaceae)

ERUCA VESICARIA (Linnaeus) Cavanilles subsp. ***SATIVA*** (Miller) Thellung - **Arugula**. 2n = (19), 22.
Waste places, roadsides, fields. From Europe, Africa. [*E. SATIVA* Miller]







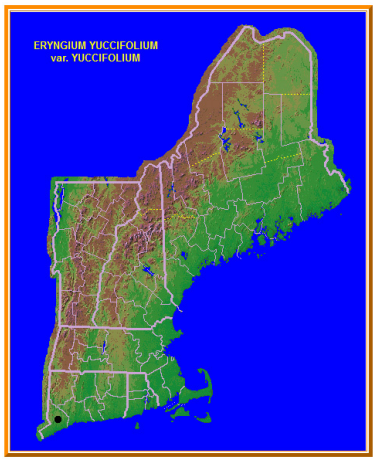
ERUCASTRUM (Family: Brassicaceae)

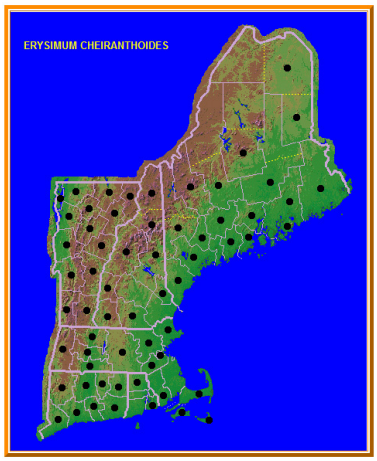
ERUCASTRUM GALLICUM (Willdenow) O.E. Shulz - **Dog Mustard**. 2n = 30.
Waste places, roadsides, railroads, fields. From Europe.

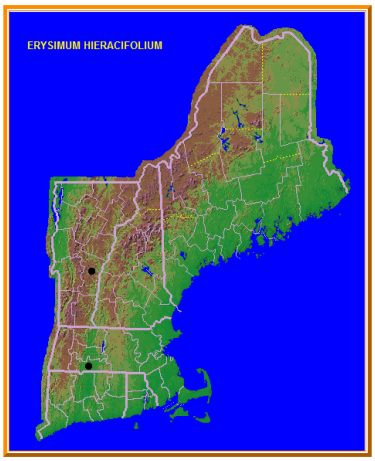
ERYNGIUM (Family: Apiaceae)

ERYNGIUM AMETHYSTINUM Linnaeus - . 2n = 14, (16).
Waste places, fields. From eastern Mediterranean region.

ERYNGIUM PLANUM Linnaeus - **Blue Eryngo**. 2n = 16.
Fields, waste places, roadsides. From Eurasia.





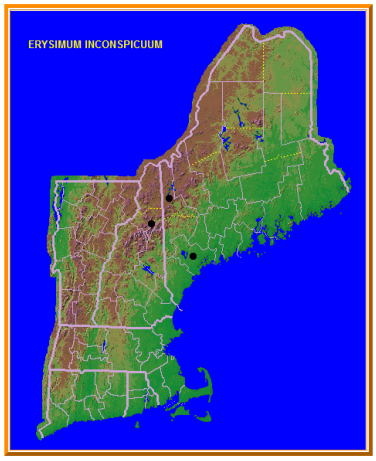


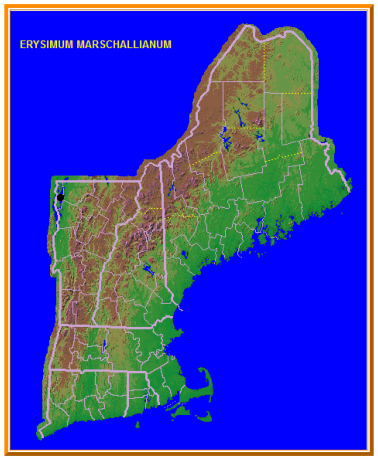
ERYNGIUM YUCCIFOLIUM Michaux var. ***YUCCIFOLIUM*** - **Rattlesnake-master**. 2n = 96.
Sandy fields, other open, sandy ground. From farther south and west.

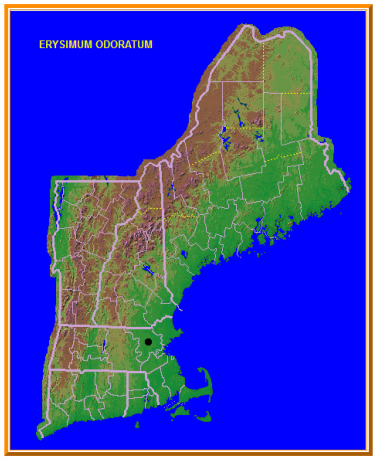
ERYSIMUM (Family: Brassicaceae)

ERYSIMUM CHEIRANTHOIDES Linnaeus - **Wormseed Mustard**. 2n = 16.
Waste places, roadsides, railroads, fields. From Eurasia, northern Africa.

ERYSIMUM HIERACIFOLIUM Linnaeus - **European Wallflower**. 2n = (16), 32, 48.
Roadsides, waste places, fields. From Eurasia.



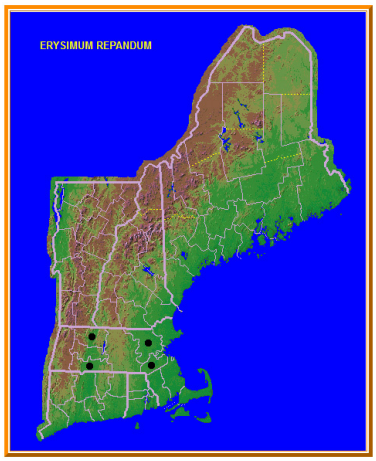


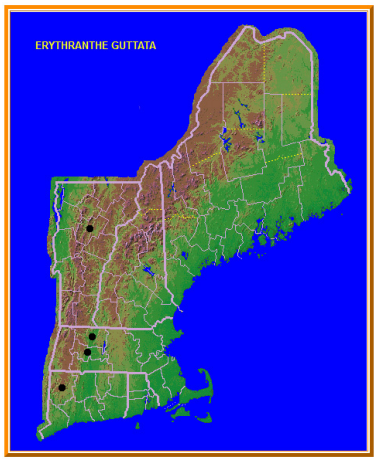


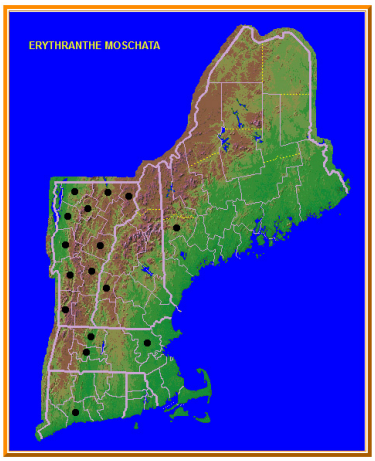
ERYSIMUM INCONSPICUUM (S. Watson) MacMillan - **Small-flowered Prairie-rocket**. 2n = 54, (81).
Railroad embankments, roadsides, dry, open soil. From farther west.

ERYSIMUM MARSCHALLIANUM Andrzejowski *ex* M. Bieberstein - . 2n = (14), 48.
Moist thickets. [*E. DURUM* J. Presl & C. Presl] Note: Dr. Ihsan Al-Shehbaz (pers. comm.) believes the Grand Isle Co., VT voucher to be *E. VIRGATUM* Roth.

ERYSIMUM ODORATUM Ehrhart - **Pannonian Wallflower**. 2n = 14, (16), (24), 32.
Wool waste. From Eurasia.





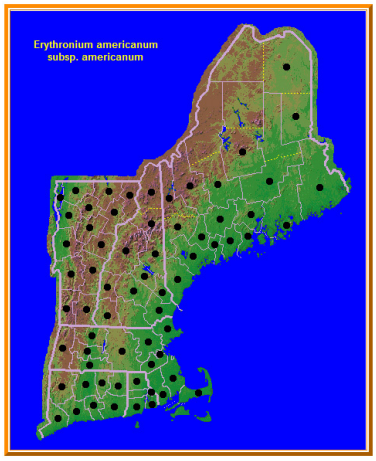


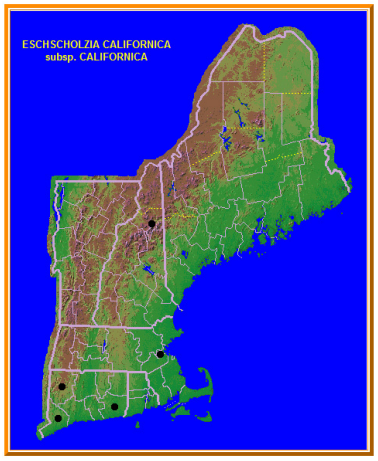
ERYSIMUM REPANDUM Linnaeus - **Spreading Wallflower**. 2n = (14), 16.
Waste places, roadsides. From Eurasia, northern Africa.

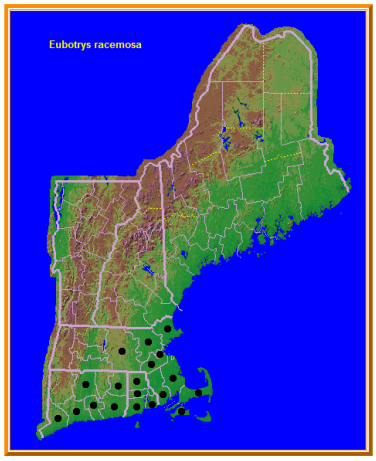
ERYTHRANTHE (Family: Phrymaceae)

ERYTHRANTHE GUTTATA (de Candolle) G.L. Nesom - . 2n = (16), 28, (32), (48), (56).
Wet ditches, springy places, riverbanks. From farther west. [*MIMULUS GUTTATUS* de Candolle]

ERYTHRANTHE MOSCHATA (Douglas *ex* Lindley) G.L. Nesom - **Muskflower**. 2n = 32.
Wet ditches, springy places, riverbanks. From farther north and west. [*MIMULUS MOSCHATUS* Douglas *ex* Lindley]







ERYTHRONIUM (Family: Liliaceae)

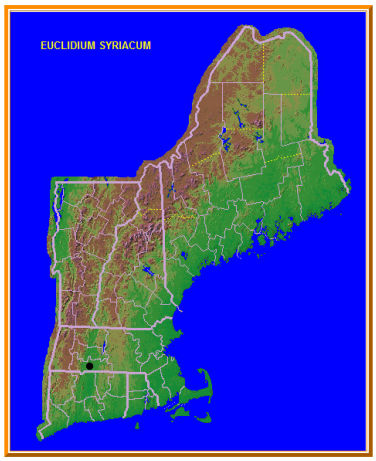
Erythronium americanum Ker Gawler subsp. ***americanum*** - **Trout Lily**. 2n = 24, 48.
Rich, moist woods and thickets.

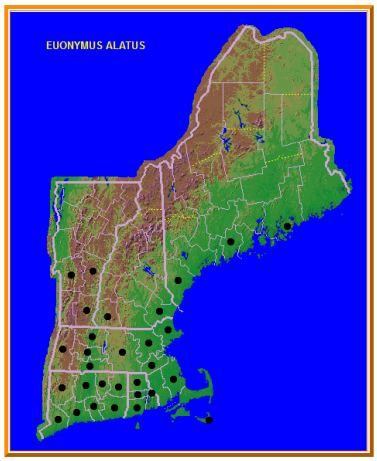
ESCHSCHOLZIA (Family: Papaveraceae)

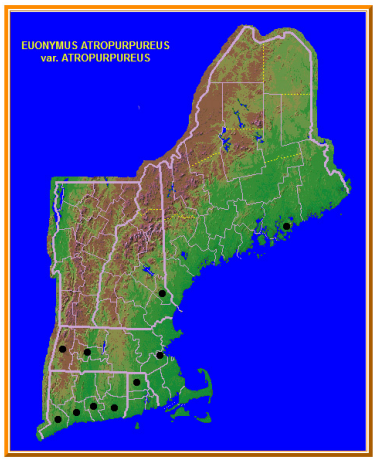
ESCHSCHOLZIA CALIFORNICA Chamisso subsp. ***CALIFORNICA*** - **California Poppy**. 2n = 12.
Dumps. From western United States and Mexico.

EUBOTRYS (Family: Ericaceae)

Eubotrys racemosa (Linnaeus) Nuttall - **Swamp Sweetbells**. 2n = 22.
Swamps, moist thickets, margins of bogs, ponds, and rivers. [*Leucothoë racemosa* (Linnaeus) A. Gray; *L. racemosa* var. *projecta* Fernald]







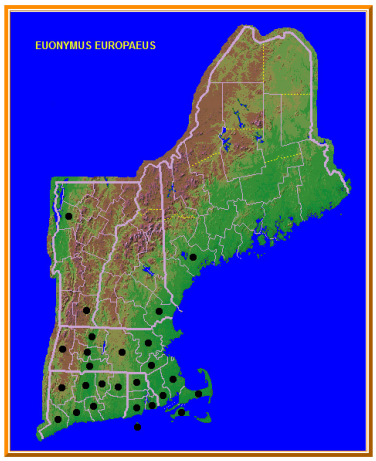
EUCLIDIUM (Family: Brassicaceae)

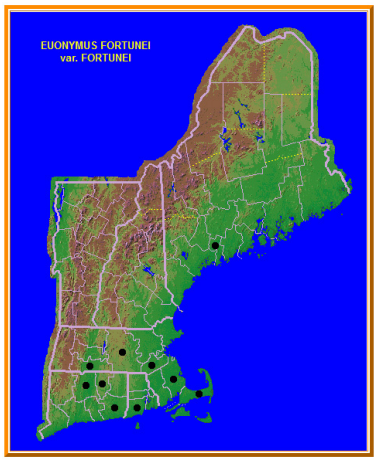
EUCLIDIUM SYRIACUM (Linnaeus) W.T. Aiton - . 2n = 14.
Waste places, roadsides. From Eurasia.

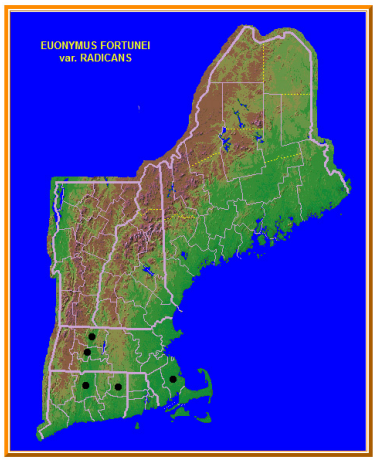
EUONYMUS (Family: Celastraceae)

EUONYMUS ALATUS (Thunberg) Siebold - **Winged Euonymus**. 2n = ca. 40, 64.
Roadsides, woodlands, streambanks, thickets, clearings. From eastern Asia.

EUONYMUS ATROPURPUREUS Jacquin var. ***ATROPURPUREUS*** - **Wahoo**. 2n = 32.
Roadsides, thickets, railroads, woodlands. From farther south and west.



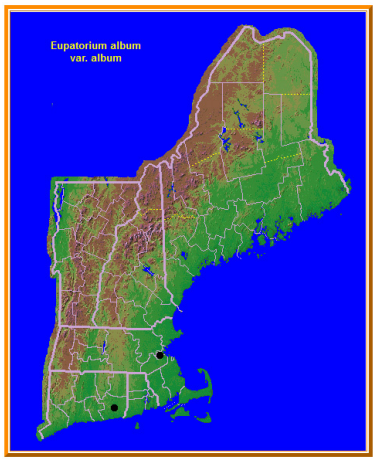


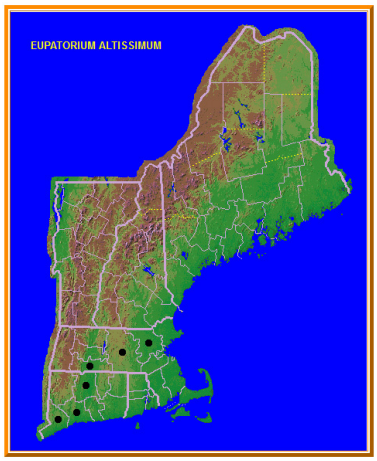


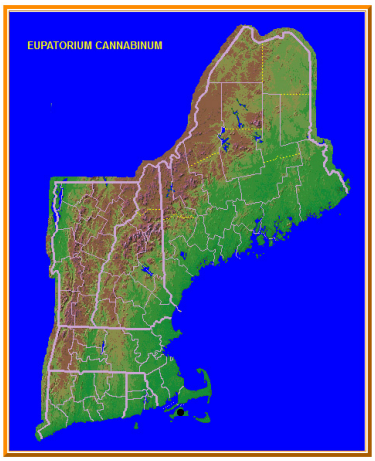
EUONYMUS EUROPAEUS Linnaeus - **European Spindle-tree**. 2n = 32, 64.
Woodlands, roadsides, waste places. From Eurasia.

EUONYMUS FORTUNEI (Turczaninow) Handel-Mazzetti var. ***FORTUNEI*** - **Winter-creeper**. 2n = 64.
Thickets, roadsides, woodland margins, waste places. From southern and eastern Asia.

EUONYMUS FORTUNEI (Turczaninow) Handel-Mazzetti var. ***RADICANS*** (Siebold *ex* Miquel) Rehder - **Winter-creeper**. 2n = 32.
Roadsides, railroads, open, rocky hillsides, woodlands. From eastern Asia.





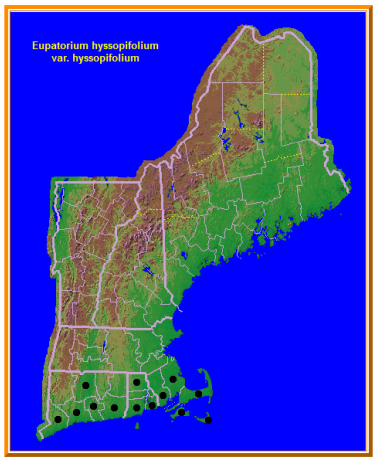


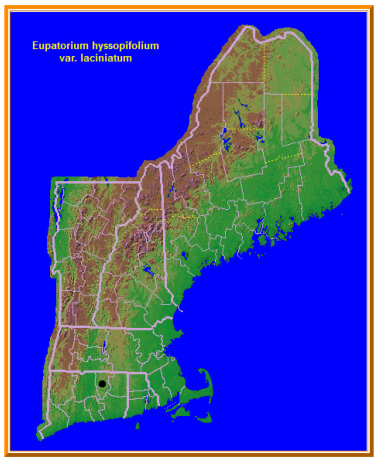
EUPATORIUM (Family: Asteraceae)

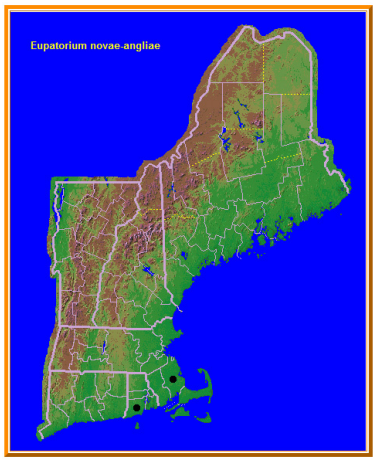
Eupatorium album Linnaeus var. ***album*** - . 2n = 20.
Dry, open, disturbed soil.

EUPATORIUM ALTISSIMUM Linnaeus - . 2n = 20, 30, 40, 60, 80.
Roadsides, waste places. From farther west and south.

EUPATORIUM CANNABINUM Linnaeus - **Hemp Agrimony**. 2n = 20, (40).
Roadsides, thickets, waste places, disturbed sites. From Eurasia and northern Africa.



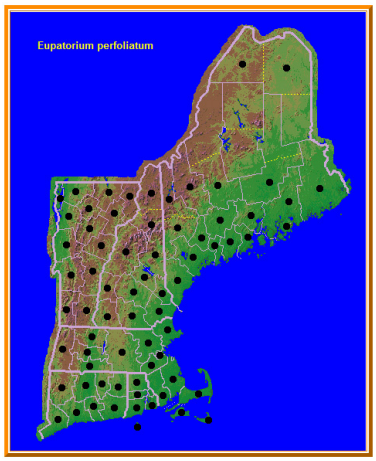


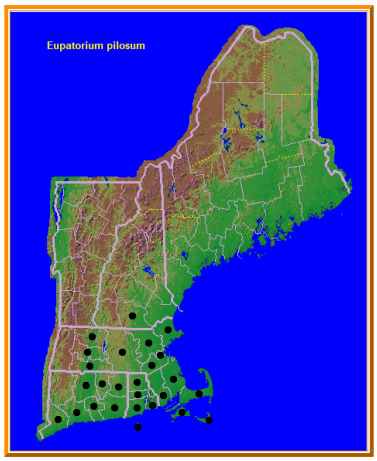


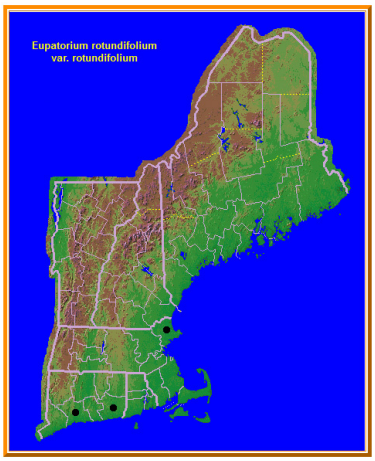
Eupatorium hyssopifolium Linnaeus var. ***hyssopifolium*** - **Justice-weed**. 2n = 20, 30, 40.
Dry, sandy fields, dry, open woods and clearings, roadsides. [*E. hyssopifolium* var. *calcaratum* Fernald & B.G. Schubert]

Eupatorium hyssopifolium Linnaeus var. ***laciniatum*** A. Gray - . 2n = 30, 40.
Roadsides.

Eupatorium novae-angliae (Fernald) V.I. Sullivan *ex* A. Haines & Sorrie - . 2n = ?
Pond shores. [*E. leucolepis* (de Candolle) Torrey & A. Gray var. *novae-angliae* Fernald] Note: This is thought to have originated from hybridization of *E. PALUDICOLA* E.E. Schilling & LeBlond and *E. perfoliatum* Linnaeus.



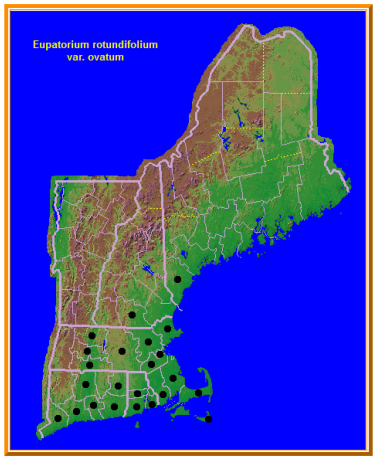


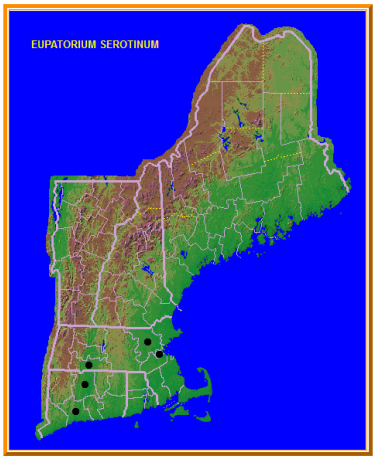


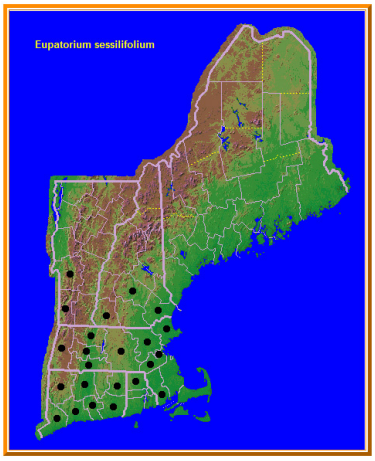
Eupatorium perfoliatum Linnaeus - **Boneset**. 2n = 20.
Low woods, shores, swamps. [*E. perfoliatum* var. *colpophilum* Fernald & Griscom]

Eupatorium pilosum Walter - . 2n = 20, 30, 40.
Low woods, shores, swamps, moist, low ground. [*E. rotundifolium* Linnaeus var. *saundersii* (Porter *ex* Britton) Cronquist]

Eupatorium rotundifolium Linnaeus var. ***rotundifolium*** - **Round-leaved Thoroughwort**. 2n = 20, 30, 40.
Open woods, clearings.



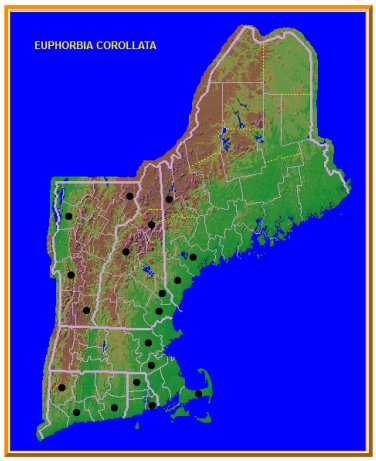


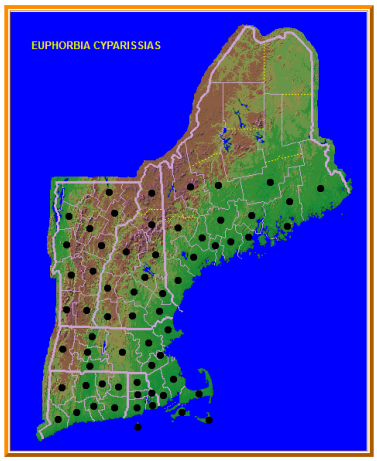


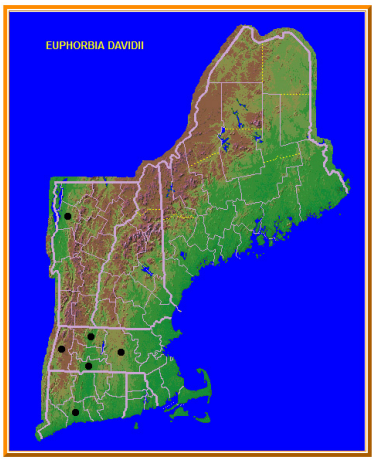
Eupatorium rotundifolium Linnaeus var. ***ovatum*** (Bigelow) Torrey *ex* de Candolle - **Round-leaved Thoroughwort**. 2n = 20, 30, 40.
Dry, open woods, clearings, roadsides. [*E. pubescens* Muhlenberg *ex* Willdenow]

EUPATORIUM SEROTINUM Michaux - . 2n = 20.
Roadsides, railroad yard, fields. From farther west and south.

Eupatorium sessilifolium Linnaeus - **Upland Boneset**. 2n = 20, 30, (60).
Rocky, open woods. [*E. sessilifolium* var. *brittonianum* Porter]





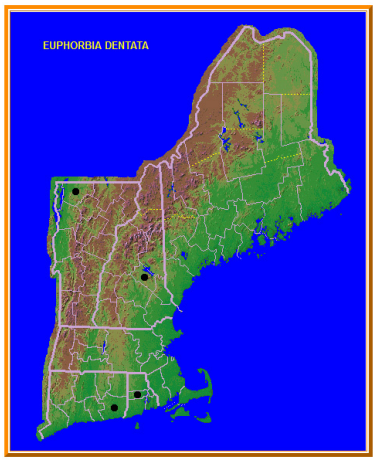


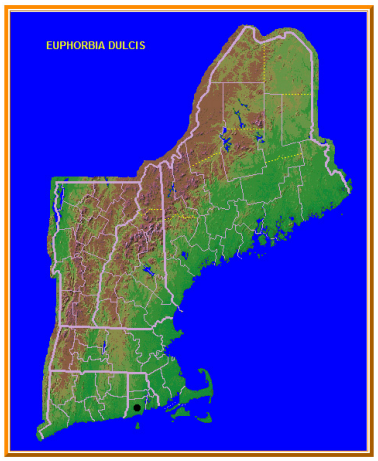
EUPHORBIA (Family: Euphorbiaceae)

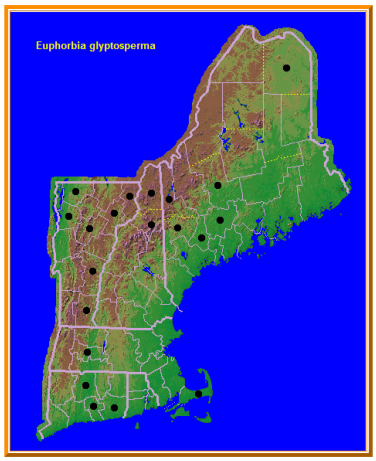
EUPHORBIA COROLLATA Linnaeus - **Flowering Spurge**. 2n = 28.
Fields, dry, open woodlands, roadsides. From farther south and west.

EUPHORBIA CYPARISSIAS Linnaeus - **Cypress Spurge**. 2n = 20, (36), 40, (50).
Roadsides, waste places, old fields, cemeteries. From Eurasia.

EUPHORBIA DAVIDII Subils - . 2n = 56.
Railroads. From farther west. [*E. DENTATA* misapplied]



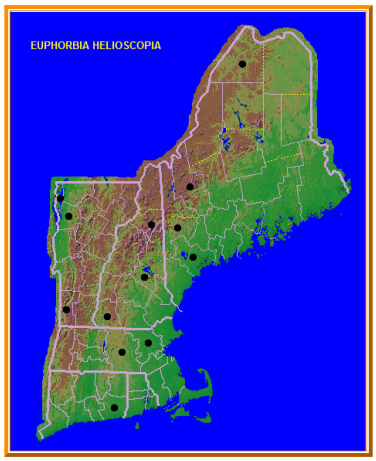


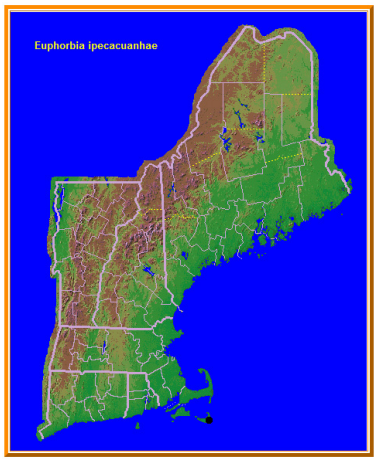


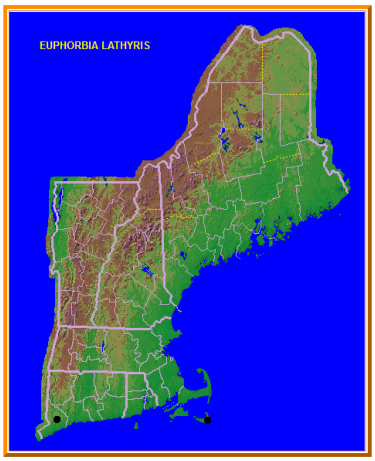
EUPHORBIA DENTATA Michaux - . 2n = (14), 28, 56.
Waste places, roadsides, railroads, sandy beaches, cemeteries. From farther south and west. Note: Many or all of the New England records under this name are likely to be *EUPHORBIA DAVIDII* as they have not yet been reviewed for this common error.

EUPHORBIA DULCIS Linnaeus - **Sweet Spurge**. 2n = 12, 18, 24, (28), (48).
Thicket in oak woodlands. From Europe.

Euphorbia glyptosperma Engelmann - . 2n = 22.
Roadsides, railroads, dry, open soil.



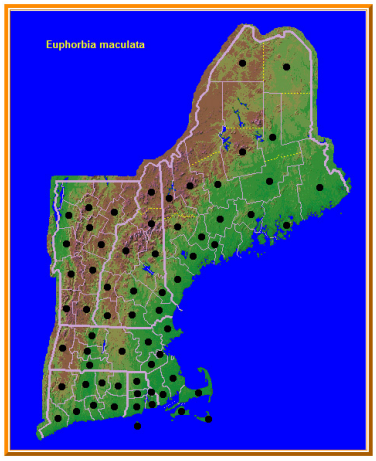


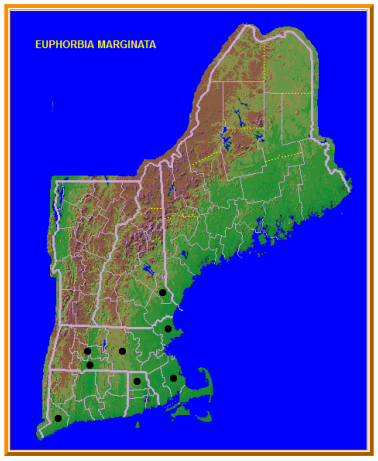


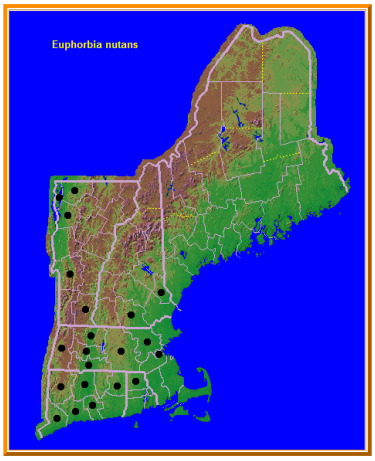
EUPHORBIA HELIOSCOPIA Linnaeus - **Wartweed**. 2n = 42.
Roadsides, waste places, fields, dry, open soil. From Eurasia, northern Africa.

Euphorbia ipecacuanhae Linnaeus - **Wild Ipecac**. 2n = 28.
Open, sandy soil.

EUPHORBIA LATHYRIS Linnaeus - **Caper Spurge**. 2n = 20.
Fields, roadsides, waste places. From Mediterranean Europe.



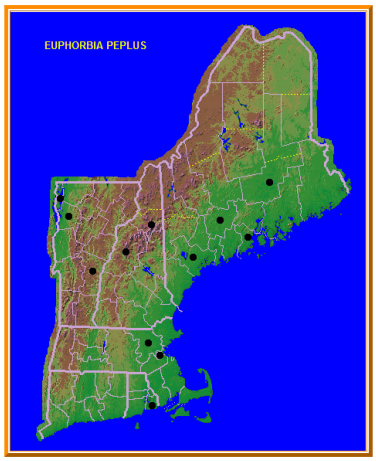


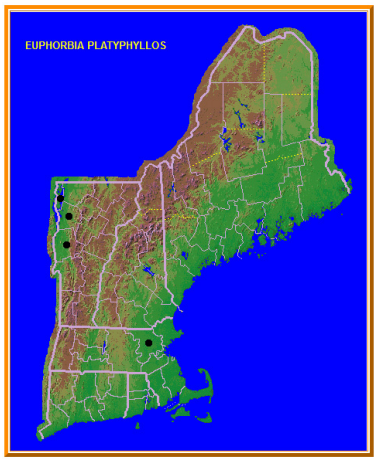


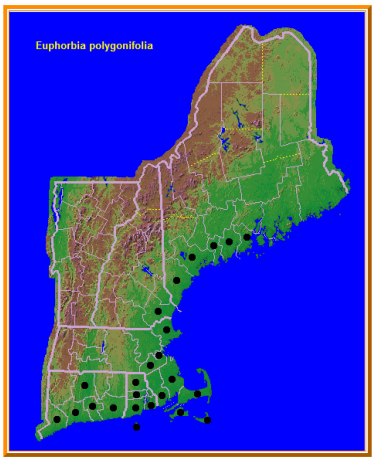
Euphorbia maculata Linnaeus - **Milk-purslane**. 2n = 12, 14, 28, 40, 42, 56.
Railroads, waste places, roadsides, dry, open soil. [*E. supina* Rafinesque]

EUPHORBIA MARGINATA Pursh - **Snow-on-the-mountain**. 2n = (54), 56.
Waste places. From farther west.

Euphorbia nutans Lagasca - **Eyebane**. 2n = 12, (14), (40).
Waste places, railroads, roadsides, fields, dry, open soil. [*E. maculata* misapplied]



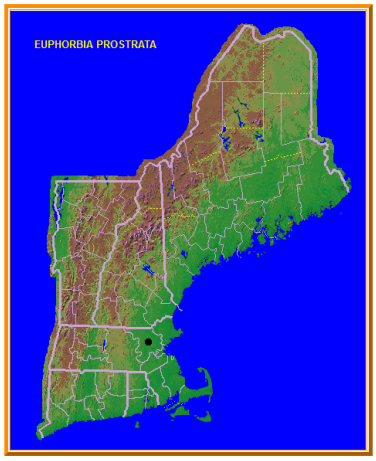


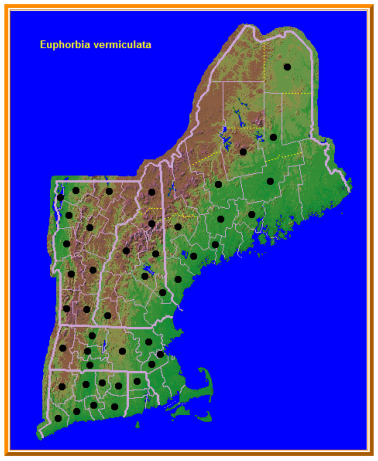


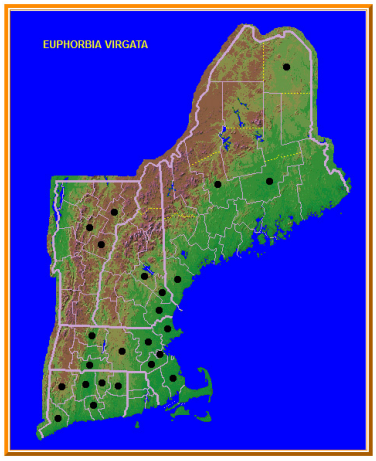
EUPHORBIA PEPLUS Linnaeus - **Petty Spurge**. 2n = 16, (22), (24), (32).
Waste places. From Eurasia, northern Africa.

EUPHORBIA PLATYPHYLLOS Linnaeus - . 2n = (14), 28, 30, (36).
Waste places, meadows, lake shores. From the Mediterranean region.

Euphorbia polygonifolia Linnaeus - **Seaside Spurge**. 2n = 26.
Sand dunes, sea beaches.



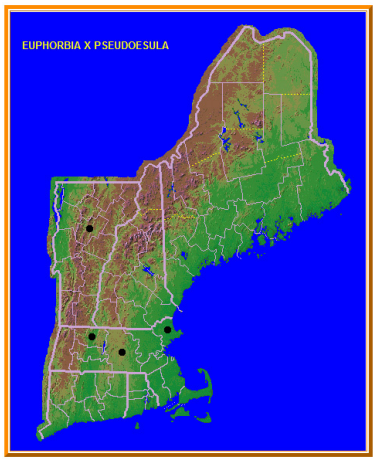


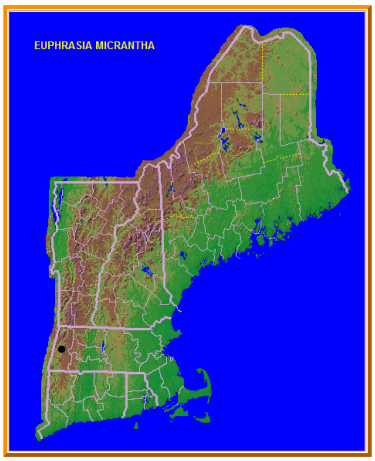


EUPHORBIA PROSTRATA Aiton - . 2n = (12), 18, (20).
Cotton waste. From farther west and south, Mexico, Central and South America, Caribbean region.

Euphorbia vermiculata Rafinesque - . 2n = 16.
Railroads, roadsides, waste places, fields, dry, sandy soil.

EUPHORBIA VIRGATA Waldstein & Kitaibel - **Wolf's-milk**. 2n = (16), 20, (48), (50), (52), 60, (64).
Roadsides, waste places, fields. From Eurasia. [*E. ESULA* misapplied]





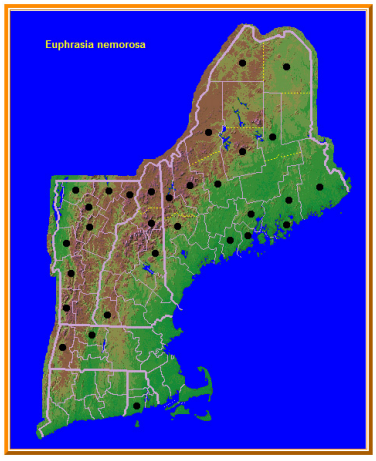
***Euphorbia* hybrid**

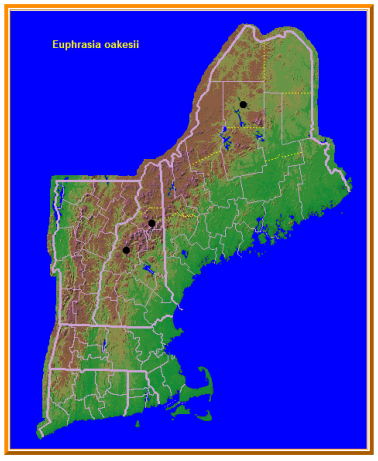
EUPHORBIA X ***PSEUDOESULA*** Schur (*pro species*).
[*E. CYPARISSIAS* Linnaeus X *E. VIRGATA* Waldstein & Kitaibel]

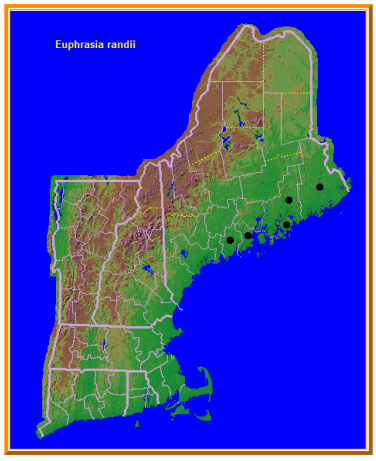
EUPHRASIA (Family: Orobanchaceae)

Euphrasia disjuncta Fernald & Wiegand - . 2n = 44.
Streambanks, damp open soil.

EUPHRASIA MICRANTHA Reichenbach - . 2n = 44.
Rocky summits. From Europe.



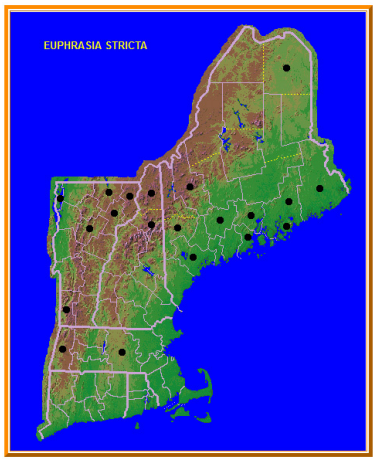


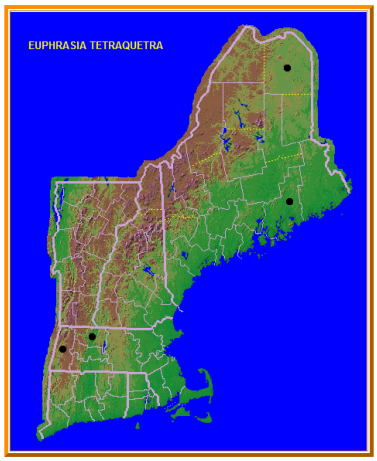


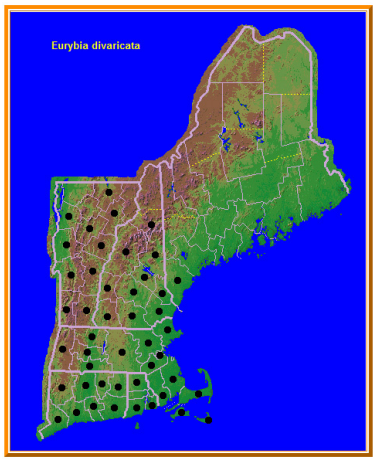
EUPHRASIA NEMOROSA (Persoon) Wallroth - . 2n = 44.
Fields, roadsides, woodland margins, grassy slopes, clearings, ledges, sea bluffs. From Europe. [*E. AMERICANA* Wettstein; *E. CANADENSIS* misapplied; *E. OFFICINALIS* misapplied (in part); *E. TETRAQUETRA* misapplied]

Euphrasia oakesii Wettstein - . 2n = 44.
Wet crevices in alpine areas. [*E. oakesii* var. *willamsii* (B.L. Robinson) Gussarova; *E. williamsii* B.L. Robinson]

Euphrasia randii B.L. Robinson - . 2n = ?
Mossy banks above seashore, fields, seaside ledges, rocky turf near the sea. [*E. randii* var. *farlowii* B.L. Robinson; *E. randii* var. *reeksii* Fernald; *E. farlowii* (B.L. Robinson) Gussarova]





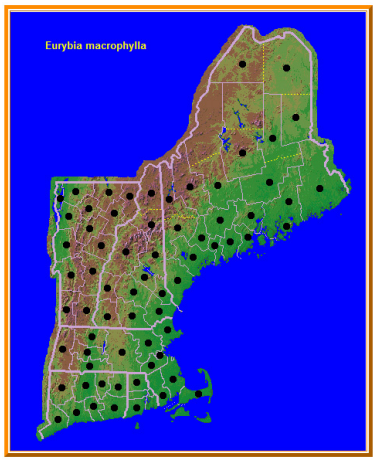


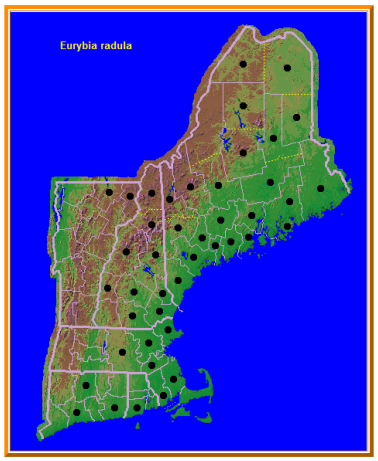
EUPHRASIA STRICTA J.P. Wollf *ex* J.F. Lehmann - . 2n = (22), 44.
Fields, roadsides, clearings. From Europe. [*E. STRICTA* var. *BREVIPILA* (Burnat & Gremli) Hartl; *E. OFFICINALIS* misapplied (in part); *E. RIGIDULA* Jordan]

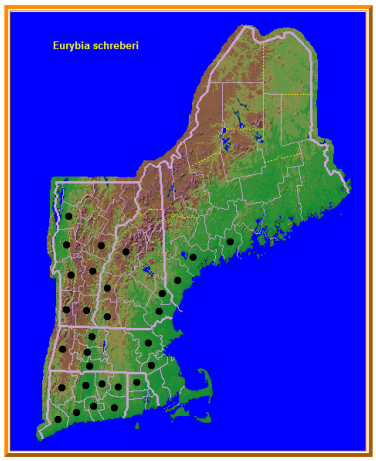
EUPHRASIA TETRAQUETRA (Brébisson) Arrondeau - . 2n = 44.
Fields. [*E. CANADENSIS* F. Townsend]

EURYBIA (Family: Asteraceae)

Eurybia divaricata (Linnaeus) G.L. Nesom - **White Wood Aster**. 2n = 18, (20).
Rich, deciduous woods, clearings, roadsides. [*Aster divaricatus* Linnaeus]



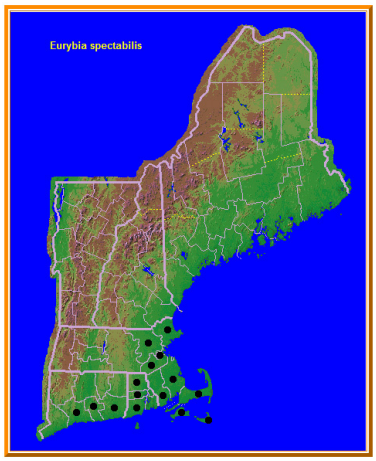


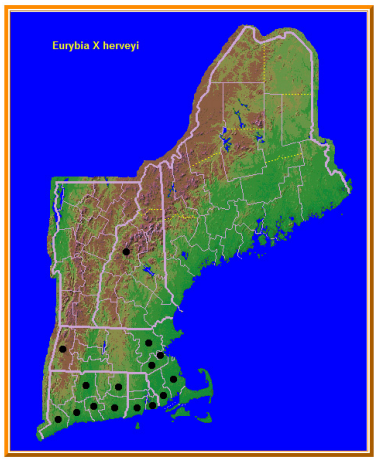


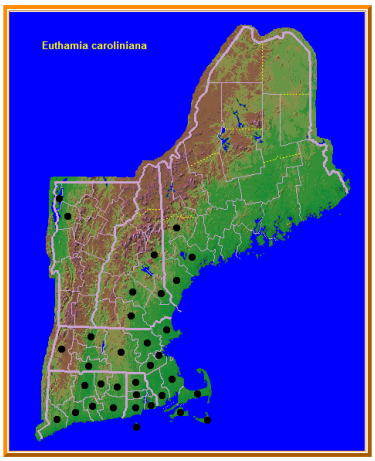
Eurybia macrophylla (Linnaeus) Cassini - . 2n = (36), 72.
Open woods, thickets, clearings, roadsides. [*Aster macrophyllus* Linnaeus var. *macrophyllus*; *A. macrophyllus* var. *apricensis* E.S. Burgess; *A. macrophyllus* var. *excelsior* E.S. Burgess; *A. macrophyllus* var. *ianthinus* (E.S. Burgess) Fernald; *A. macrophyllus* var. *pinguifolius* E.S. Burgess; *A. macrophyllus* var. *sejunctus* E.S. Burgess; *A. macrophyllus* var. *velutinus* E.S. Burgess]

Eurybia radula (Aiton) G.L. Nesom - . 2n = 18, (27).
Sphagnum bogs, boggy shores, swamps, low woods. [*Aster radula* Aiton var. *radula*; *A. radula* var. *strictus* A. Gray]

Eurybia schreberi (Nees) Nees - . 2n = (18), 54.
Rich, deciduous or mixed woodlands, thickets. [*Aster glomeratus* Bernhardi *ex* Nees - invalid name; *A. macrophyllus* Linnaeus var. *schreberi* (Nees) F. Seymour; *A. schreberi* Nees]







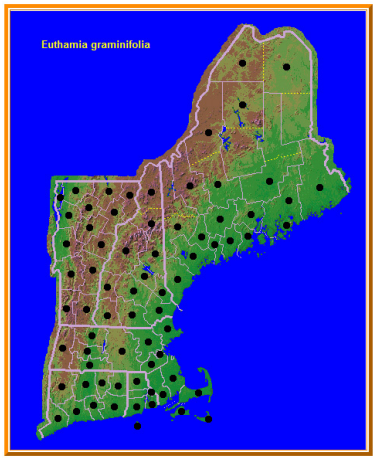
Eurybia spectabilis (Aiton) G.L. Nesom - **Seaside Purple Aster**. 2n = 72.
Dry, sandy, open woods and clearings, roadsides. [*Aster spectabilis* Aiton]

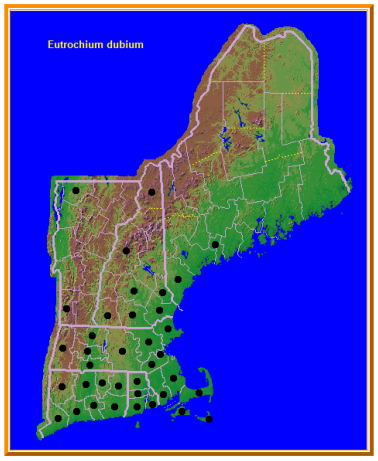
***Eurybia* hybrid**

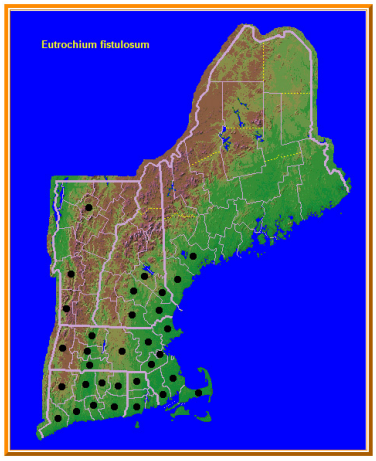
Eurybia X ***herveyi*** (A. Gray) G.L. Nesom - .
[*E. macrophylla* (Linnaeus) Cassini X *E. spectabilis* (Aiton) G.L. Nesom; *Aster herveyi* A. Gray]

EUTHAMIA (Family: Asteraceae)

Euthamia caroliniana (Linnaeus) Greene *ex* Porter & Britton - **Quobsque-weed**. 2n = 18.
Sandy shores, open, sandy soils. [*E. microcephala* Greene; *Solidago microcephala* (Greene) Bush; *S. tenuifolia* Pursh var. *tenuifolia*; *S. tenuifolia* var. *pycnocephala* Fernald]





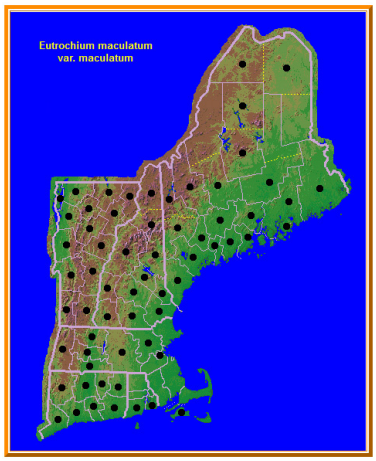


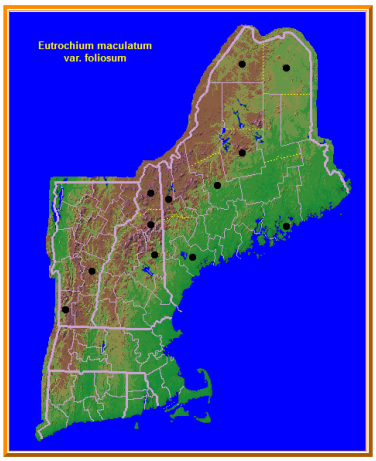
Euthamia graminifolia (Linnaeus) Nuttall - **Common Flat-topped Goldenrod**. 2n = 18, (54).
Shores, beaches, salt marsh borders, fields. [*Solidago graminifolia* (Linnaeus) Salisbury var. *graminifolia*; *S. graminifolia* var. *nuttallii* (Greene) Fernald; *S. graminifolia* var. *polycephala* (Fernald) Fernald]

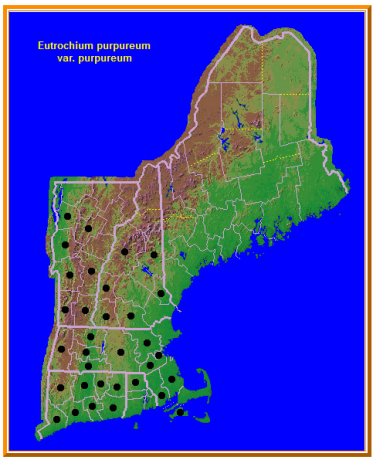
EUTROCHIUM (Family: Asteraceae)

Eutrochium dubium (Willdenow *ex* Poiret) E.E. Lamont - **Eastern Joe-pye-weed**. 2n = 20.
Meadows, shores, low, moist, acid soil. [*Eupatorium dubium* Willdenow *ex* Poiret]

Eutrochium fistulosum (Barratt) E.E. Lamont - **Trumpetweed**. 2n = 20.
Moist thickets, meadows, alluvial woods. [*Eupatorium fistulosum* Barratt]



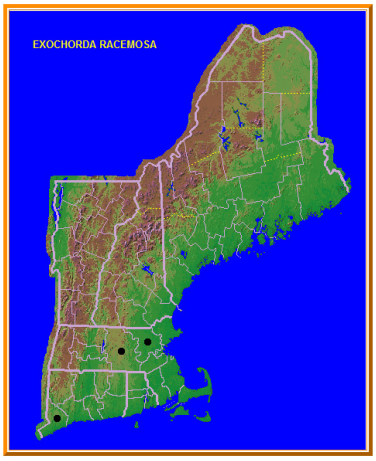




Eutrochium maculatum (Linnaeus) E.E. Lamont var. ***maculatum*** - . 2n = 20.
Moist thickets, meadows, shores, usually in rich or calcareous soil. [*Eupatorium maculatum* Linnaeus var. *maculatum*]

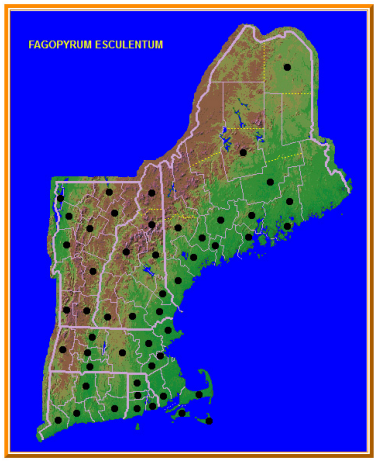
Eutrochium maculatum (Linnaeus) E.E. Lamont var. ***foliosum*** (Fernald) E.E. Lamont - . 2n = 20.
Moist thickets, meadows, shores, usually in rich or calcareous soil. [*Eupatorium maculatum* Linnaeus var. *foliosum* (Fernald) Wiegand]

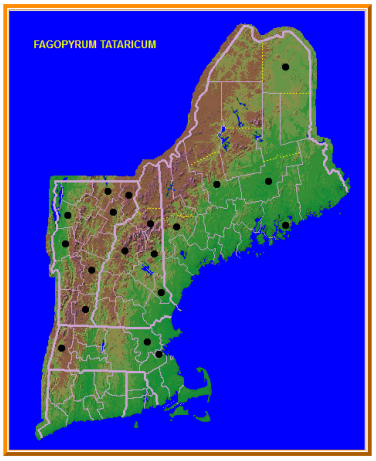
Eutrochium purpureum (Linnaeus) E.E. Lamont var. ***purpureum*** - **Sweet Joe-pye-weed**. 2n = 20.
Rich, deciduous, chiefly calcareous woods. [*Eupatorium purpureum* Linnaeus var. *purpureum*]

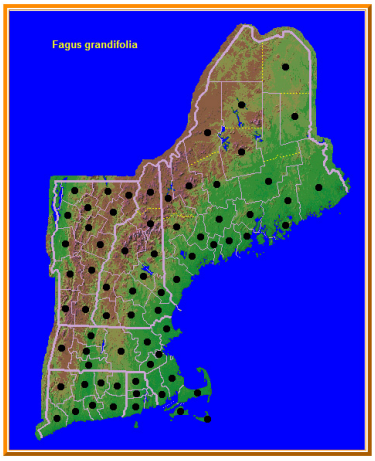


EXOCHORDA (Family: Rosaceae)

EXOCHORDA RACEMOSA (Lindley) Rehder - **Common Pearlbush**. 2n = 16, (18).
Roadsides, thickets. From Asia.







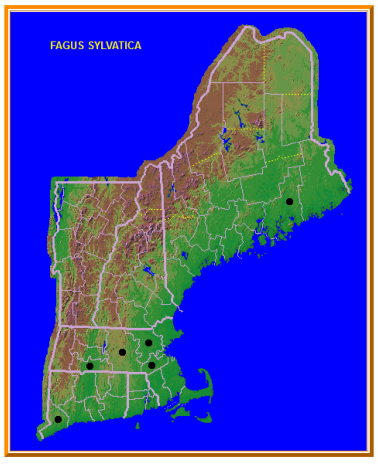
FAGOPYRUM (Family: Polygonaceae)

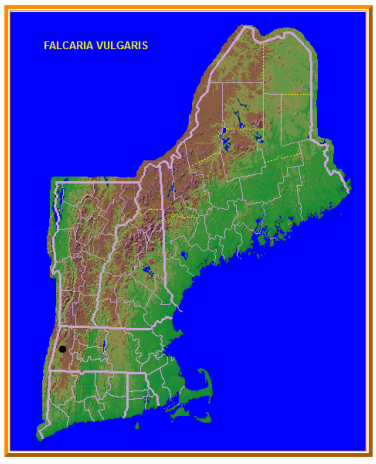
FAGOPYRUM ESCULENTUM Moench - **Common Buckwheat**. 2n = 16, (32).
Fields, roadsides, waste places. From China. [*F. SAGITTATUM* Gilibert]

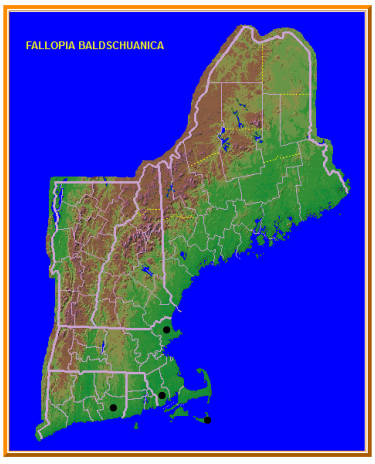
FAGOPYRUM TATARICUM (Linnaeus) Gaertner - **India-wheat**. 2n = 16, (32).
Fields, roadsides, waste places. From China.

FAGUS (Family: Fagaceae)

Fagus grandifolia Ehrhart - **American Beech**. 2n = 24.
Rich woods. [*F. grandifolia* var. *caroliniana* (Loudon) Fernald & Rehde]







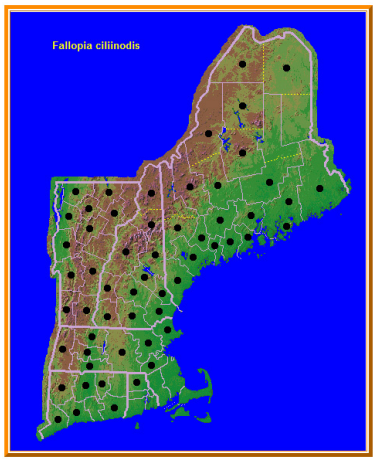
FAGUS SYLVATICA Linnaeus - **European Beech**. 2n = 24.
Fields, moist woodlands. From Europe.

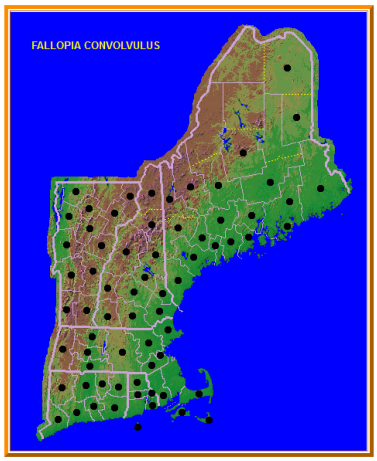
FALCARIA (Family: Apiaceae)

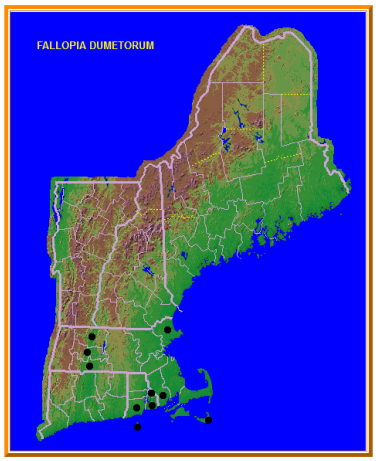
FALCARIA VULGARIS Bernhardi - **Sickleweed**. 2n = 22.
Dry, open, calcareous knoll. From Eurasia.

FALLOPIA (Family: Polygonaceae)

FALLOPIA BALDSCHUANICA (Regel) Holub - **Chinese Fleece-vine**. 2n = 20.
Waste places. From central Asia. [*POLYGONUM AUBERTII* L. Henry]



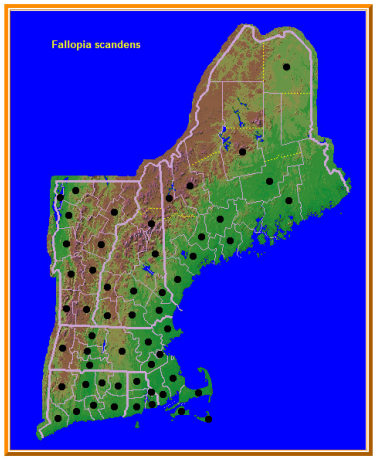


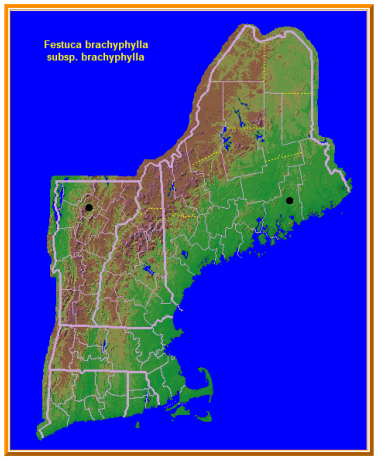


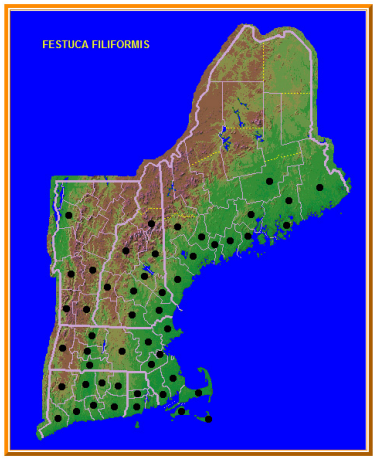
Fallopia ciliinodis (Michaux) Holub - **Fringed Bindweed**. 2n = 20, 22.
Dry, open woods, clearings, thickets. [*Polygonum cilinode* Michaux]

FALLOPIA CONVOLVULUS (Linnaeus) Á. Löve - **Black Bindweed**. 2n = 40.
Waste places. From Eurasia. [*POLYGONUM CONVOLVULUS* Linnaeus var. *CONVOLVULUS*; *P. CONVOLVULUS* var. *SUBALATUM* Lejeune & Courtois]

FALLOPIA DUMETORUM (Linnaeus) Holub - **Copse Bindweed**. 2n = 20.
Fields, waste places, woodland borders. From Eurasia. [*POLYGONUM SCANDENS* Linnaeus var. *DUMETORUM* (Linnaeus) Gleason]





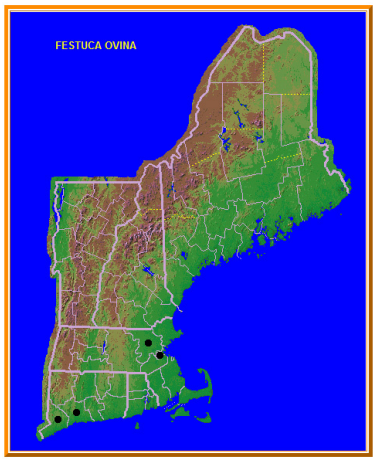


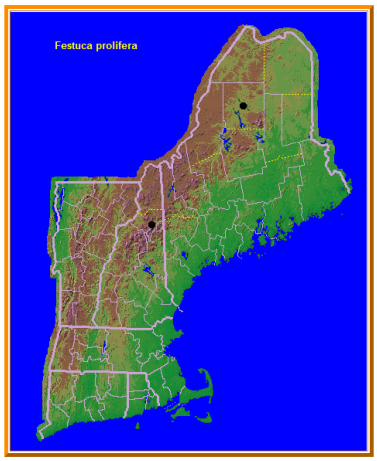
Fallopia scandens (Linnaeus) Holub - **Climbing False Buckwheat**. 2n = 20.
Damp thickets, often along streams, low woods. [*Polygonum cristatum* Engelmann & A. Gray; *P. scandens* Linnaeus var. *scandens*; *P. scandens* var. *cristatum* (Engelmann & A. Gray) Gleason]

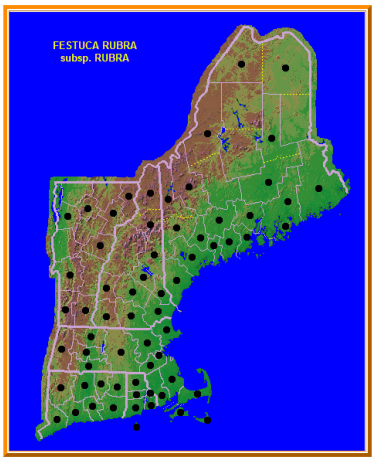
FESTUCA (Family: Poaceae)

Festuca brachyphylla Schultes & Schultes (son) subsp. ***brachyphylla*** - **Alpine Fescue**. 2n = (28), 42.
Rocky summits at high altitudes. [*F. ovina* Linnaeus var. *brachyphylla* (Schultes & Schultes (son)) Piper]

FESTUCA FILIFORMIS Pourret - **Hair Fescue**. 2n = 14, (28).
Dry fields. From Europe. [*F. CAPILLATA* Lamarck, illegitimate name; *F. OVINA* Linnaeus var. *CAPILLATA* (Lamarck) Alefeld, illegitimate name]



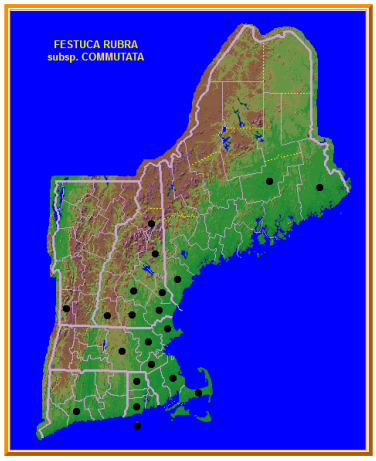


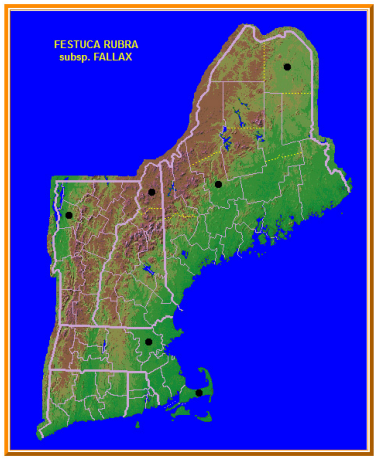


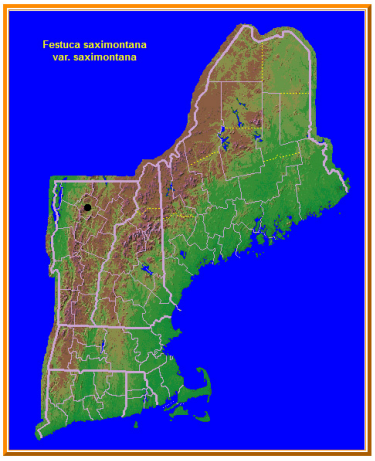
FESTUCA OVINA Linnaeus - **Sheep Fescue**. 2n = 14, 28.
Dry sterile soil. From Europe. Note: This is rare in North America, name commonly misapplied to *F. TRACHYPHYLLA*.

Festuca prolifera (Piper) Fernald - . 2n = 49, 50, 63, ca. 70.
Summits of high mountains.

FESTUCA RUBRA Linnaeus subsp. ***RUBRA*** - **Red Fescue**. 2n = 42.
Fields, roadsides, salt marshes, open habitats. From Eurasia. [*F. RUBRA* var. *JUNCEA* misapplied]



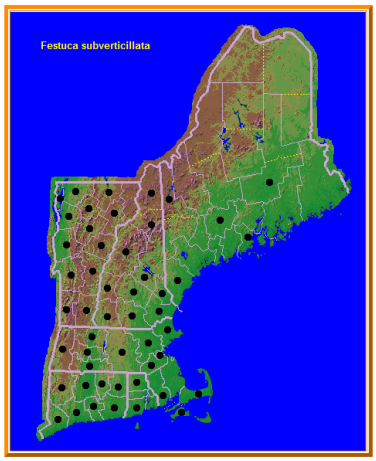


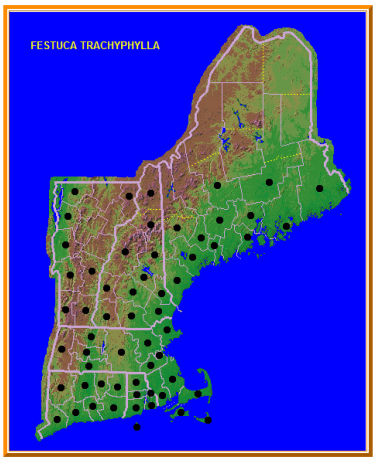


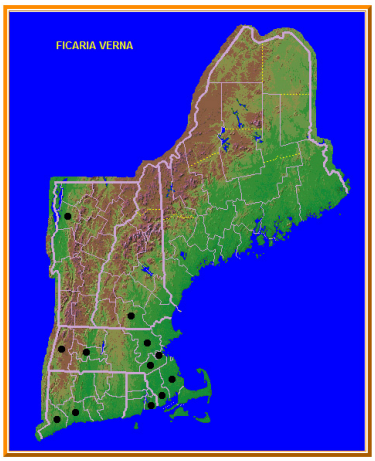
FESTUCA RUBRA Linnaeus subsp. ***COMMUTATA*** Gaudin - **Chewing's Fescue**. 2n = 28, 42.
Roadsides, ditches, dry open areas. From Europe. [*F. NIGRESCENS* Lamarck]

FESTUCA RUBRA Linnaeus subsp. ***FALLAX*** (Thuillier) Nyman - . 2n = 42, 56, 70.
Damp soil, cart roads, disturbed sites. From Europe. [*F. RUBRA* Linnaeus var. *MULTIFLORA* Ascherson & Graebner; *F. HETEROMALLA* Pourret]

Festuca saximontana Rydberg var. ***saximontana*** - **Rocky Mountain Fescue**. 2n = 42.
Mountain crests. [*F. brachyphylla* Schultes & Schultes (son) var. *rydbergii* (St.-Yves) Cronquist; *F. ovina* Linnaeus var. *saximontana* (Rydberg) Gleason]





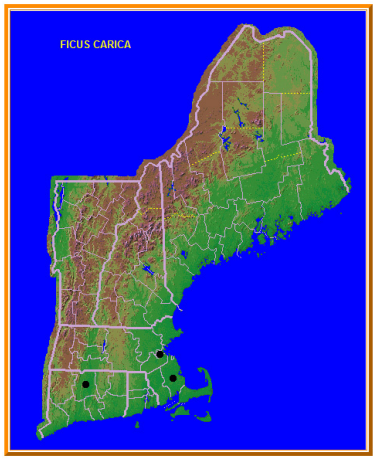


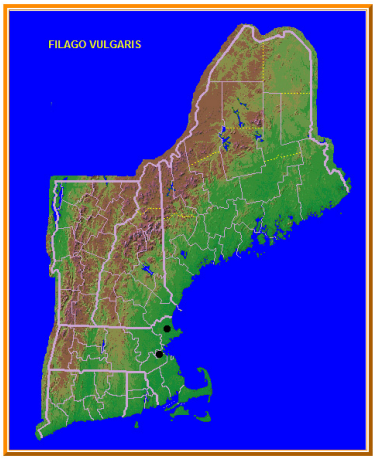
Festuca subverticillata (Persoon) E.B. Alexeev - **Nodding Fescue**. 2n = 42.
Rich woods. [*F. obtusa* Biehler]

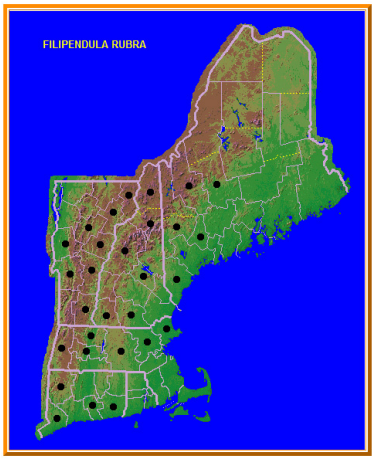
FESTUCA TRACHYPHYLLA (Hackel) R.P. Murray - **Hard Fescue**. 2n = 14, 28, 42.
Fields. From Europe. [*F. OVINA* Linnaeus - very commonly misapplied; *F. OVINA* Linnaeus var. *DURIUSCULA* - misapplied]

FICARIA (Family: Ranunculaceae)

FICARIA VERNA Hudson - **Lesser Celandine**. 2n = 16, 24, 32.
Moist, disturbed areas. From Europe. [*RANUNCULUS FICARIA* Linnaeus; *R. FICARIA* var. *BULBIFERA* Albert]







FICUS (Family: Moraceae)

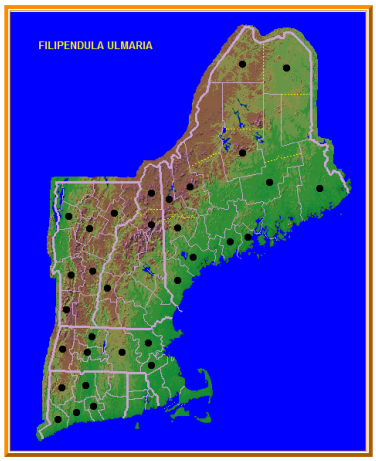
FICUS CARICA Linnaeus - **Common Fig**. 2n = 26.
Waste ground. From western Asia.

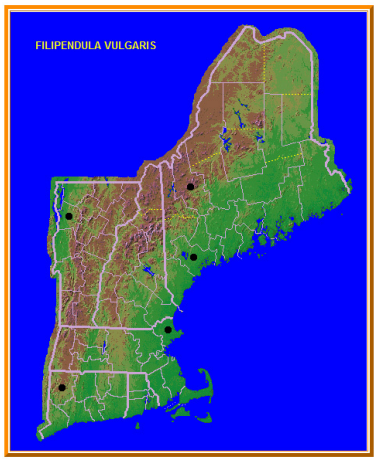
FILAGO (Family: Asteraceae)

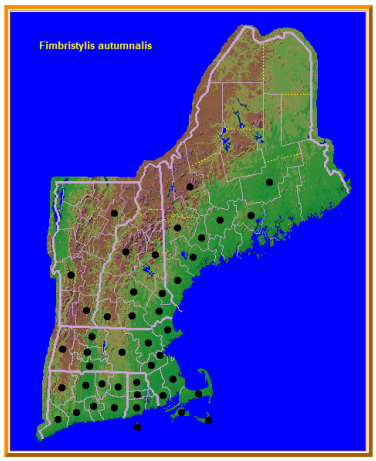
FILAGO VULGARIS Lamarck - **Herba Impia**. 2n = 28.
From Eurasia, northern Africa. [*F. GERMANICA* Linnaeus 1764 - illegitimate name]

FILIPENDULA (Family: Rosaceae)

FILIPENDULA RUBRA (Hill) B.L. Robinson - **Queen-of-the-prairie**. 2n = ?
Roadsides, meadows. Probably from farther south and west.





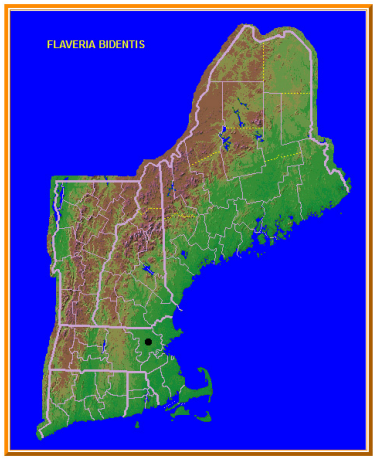


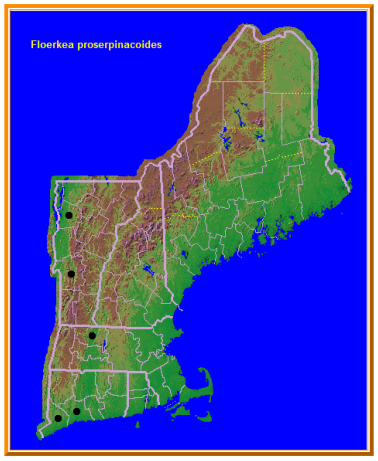
FILIPENDULA ULMARIA (Linnaeus) Maximowicz - **Queen-of-the-meadow**. 2n = 14, 16.
Roadsides, riverbanks. From Eurasia. [*F. ULMARIA* var. *DENUDATA* (J. Presl & C. Presl) Maximowicz]

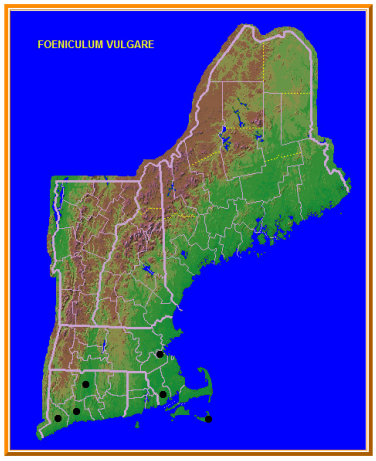
FILIPENDULA VULGARIS Moench - **Dropwort**. 2n = 14, (15-16).
Roadsides, waste places. From Eurasia, northern Africa. [*F. HEXAPETALA* Gilibert *ex* Maximowicz – illegitimate name]

FIMBRISTYLIS (Family: Cyperaceae)

Fimbristylis autumnalis (Linnaeus) Roemer & Schultes - . 2n = 10.
Sandy or sphagnous shores and low ground. [*F. autumnalis* var. *mucronulata* (Michaux) Fernald]







FLAVERIA (Family: Asteraceae)

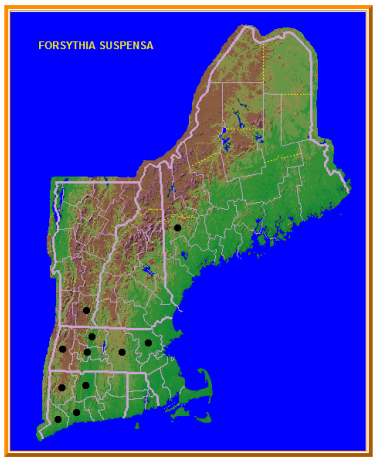
FLAVERIA BIDENTIS (Linnaeus) Kuntze - **Coastal Plain Yellowtops**. 2n = 36.
Wool waste. From South America.

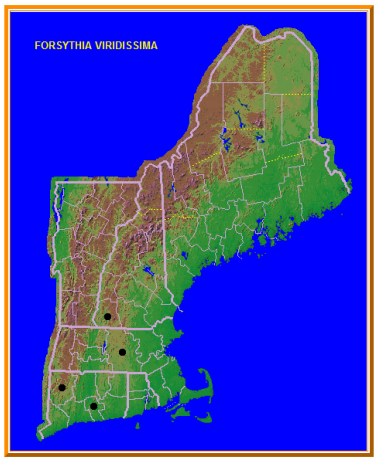
FLOERKEA (Family: Limnanthaceae)

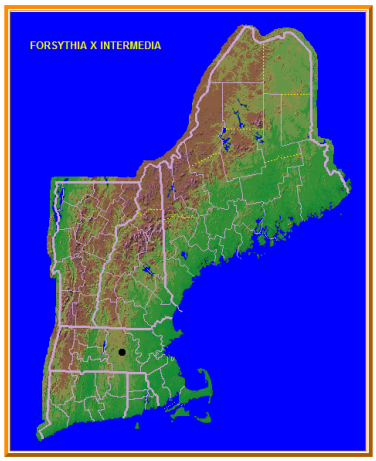
Floerkea proserpinacoides Willdenow - **False Mermaid**. 2n = 10.
Alluvial woods, usually wet.

FOENICULUM (Family: Apiaceae)

FOENICULUM VULGARE Miller - **Fennel**. 2n = (16), (19), 22.
Waste places, dry fields, roadsides. From Eurasia, northern Africa.







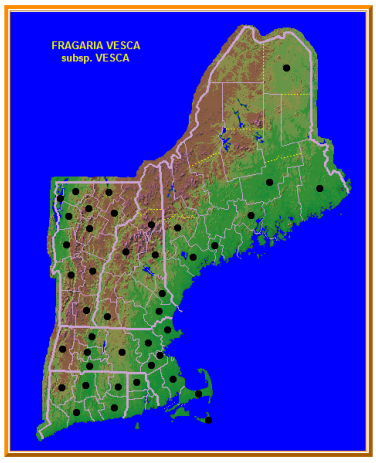
FORSYTHIA (Family: Oleaceae)

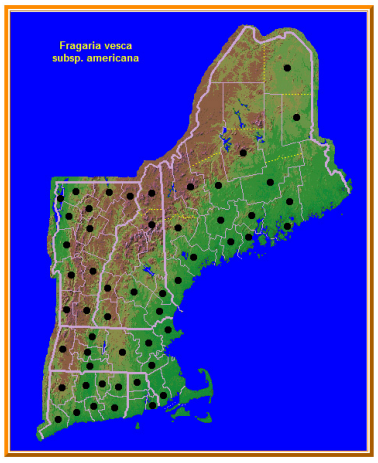
FORSYTHIA SUSPENSA (Thunberg) Vahl - **Weeping Forsythia**. 2n = 24, 28.
Roadsides, woodland margins, railroads. From China. [*F. SUSPENSA* var. *FORTUNEI* (Lindley) Rehder]

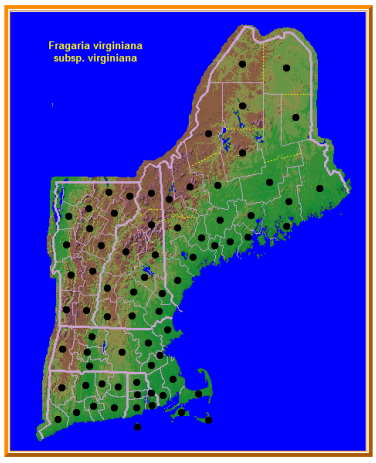
FORSYTHIA VIRIDISSIMA Lindley - . 2n = 28.
Roadsides, damp thickets, streambanks. From China, Korea.

***Forsythia* hybrid**

FORSYTHIA X ***INTERMEDIA*** Zabel (*pro species*).
[parentage of current specimens uncertain, although parentage of the type specimen is *F. SUSPENSA* (Thunberg) Vahl × *F. VIRIDISSIMA* Lindley]





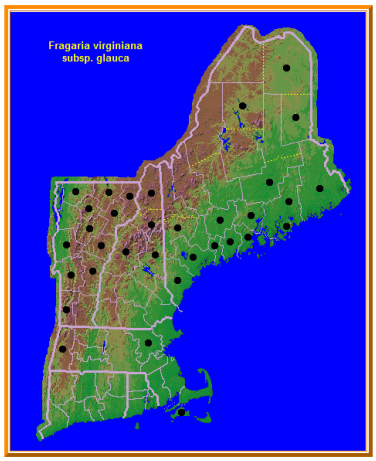


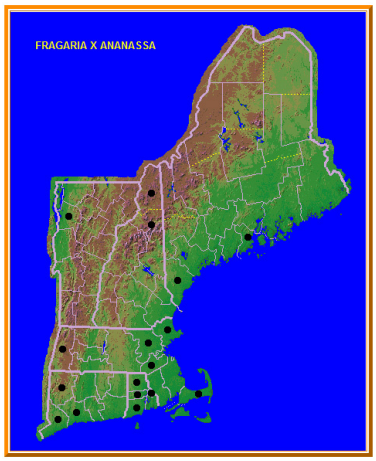
FRAGARIA (Family: Rosaceae)

FRAGARIA VESCA Linnaeus subsp. ***VESCA*** - **European Strawberry**. 2n = 14.
Rocky woods, woodland margins, openings. From Eurasia.

Fragaria vesca Linnaeus subsp. ***americana*** (Porter) Staudt - **Woodland Strawberry**. 2n = 14.
Wooded slopes, rocky banks, openings, roadsides.

Fragaria virginiana Miller subsp. ***virginiana*** - **Wild Strawberry**. 2n = 56.
Fields, woodland borders, open slopes, roadsides, railroads.



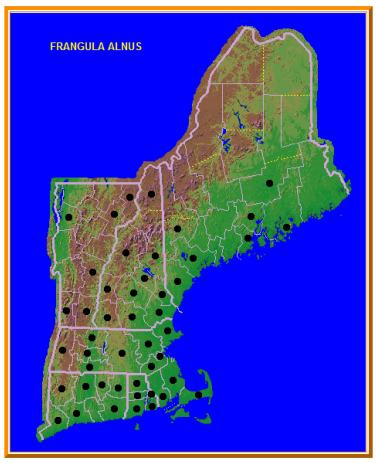


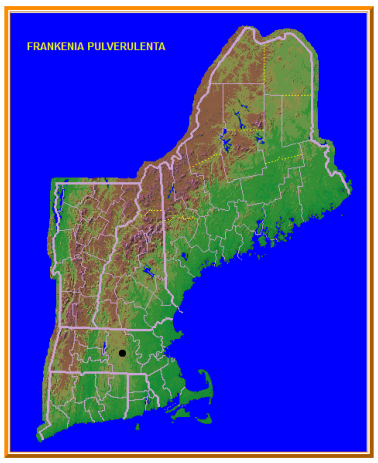
Fragaria virginiana Miller subsp. ***glauca*** (S. Watson) Staudt - . 2n = 56.
Fields, woodland borders, open slopes, roadsides, railroads. [*F. virginiana* var. *terra-novae* (Rydberg) Fernald & Wiegand]

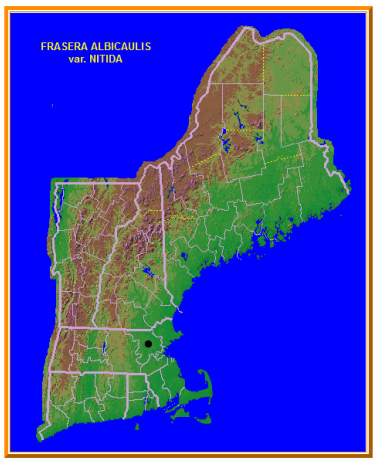
FRAGARIA VIRGINIANA Miller subsp. ***GRAYANA*** (E. Vilmorin *ex* J. Gay) Staudt - . 2n = 56.
Roadsides. From farther west. [*F. VIRGINIANA* var. *ILLINOENSIS* A. Gray]

***Fragaria* hybrid**

FRAGARIA X ***ANANASSA*** (Weston) Duchesne *ex* Grozier (*pro species*) - **Garden Strawberry**.
[*F. CHILOENSIS* (Linnaeus) Miller X *F. virginiana* Miller]







FRANGULA (Family: Rhamnaceae)

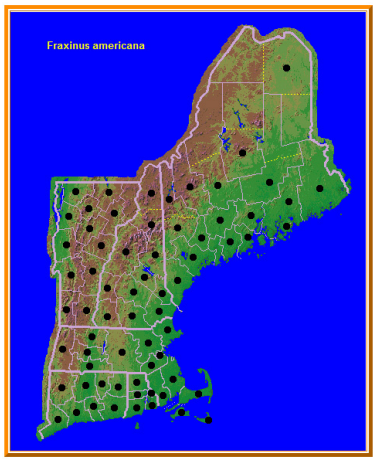
FRANGULA ALNUS Miller - **Glossy Buckthorn**. 2n = 20, (22), (26).
Woodlands, thickets, roadsides, fields, ledge crevices. From Eurasia, northwestern Africa. [*RHAMNUS FRANGULA* Linnaeus]

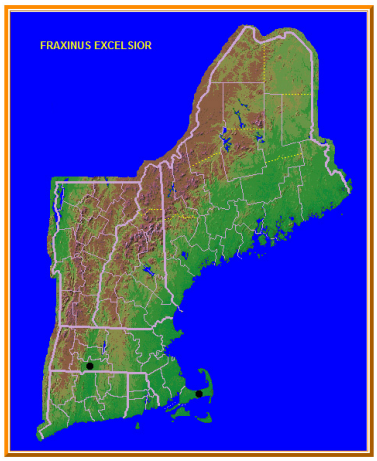
FRANKENIA (Family: Frankeniaceae)

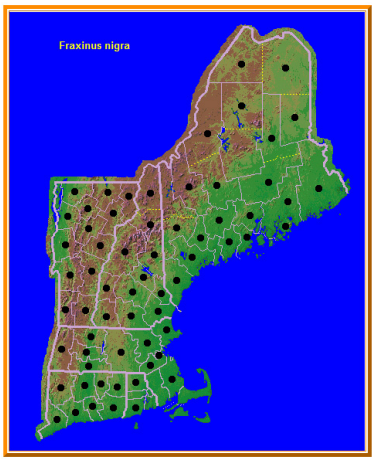
FRANKENIA PULVERULENTA Linnaeus - **European Sea-heath**. 2n = 20.
Wool waste. From Mediterranean region, southwestern Asia.

FRASERA (Family: Gentianaceae)

FRASERA ALBICAULIS Grisebach var. ***NITIDA*** (Bentham) C.L. Hitchcock - . 2n = ?
Dry hills. From farther west.





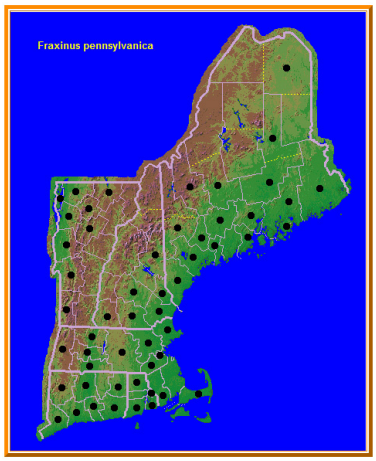


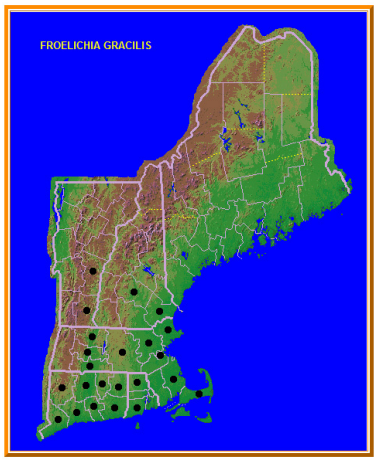
FRAXINUS (Family: Oleaceae)

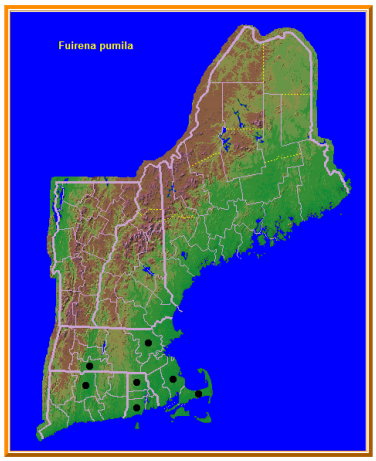
Fraxinus americana Linnaeus - **White Ash**. 2n = 46.
Rich woodlands, roadsides.

FRAXINUS EXCELSIOR Linnaeus - **European Ash**. 2n = 46.
Roadsides, wooded streambanks. From Eurasia.

Fraxinus nigra Marshall - **Black Ash**. 2n = 46.
Swamps, wet woodlands, shores.







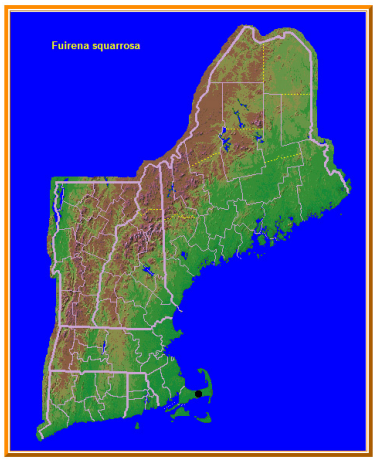
Fraxinus pennsylvanica Marshall - **Red Ash**. 2n = 46.
Shores, swamps, alluvial woodlands. [*F. pennsylvanica* var. *austinii* Fernald; *F. pennsylvanica* var. *subintegerrima* (Vahl) Fernald]

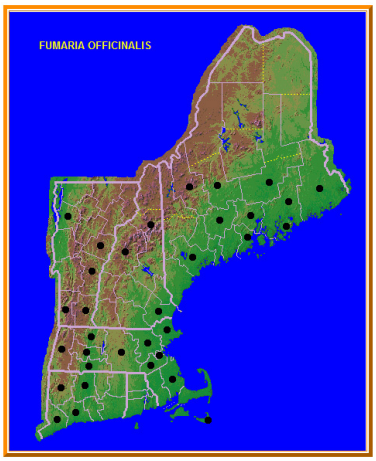
FROELICHIA (Family: Amaranthaceae)

FROELICHIA GRACILIS (Hooker) Moquin-Tandon - **Slender Cottonweed**. 2n = 54.
Waste places, roadsides, railroads, especially in sandy soil. From farther west.

FUIRENA (Family: Cyperaceae)

Fuirena pumila (Torrey) Sprengel - . 2n = 46.
Sandy or sphagnous pond shores.

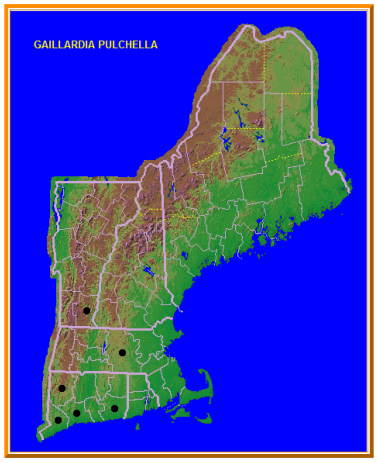


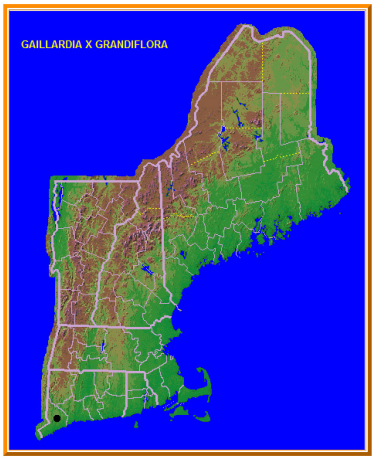


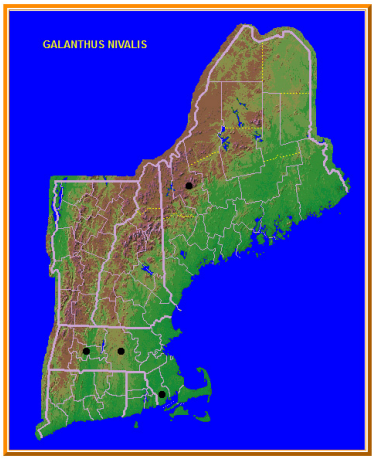
Fuirena squarrosa Michaux - . 2n = 46.
Sandy, acidic shores.

FUMARIA (Family: Papaveraceae)

FUMARIA OFFICINALIS Linnaeus - **Fumitory**. 2n = (16), (28), 32, (48).
Waste places. From Europe.







GAILLARDIA (Family: Asteraceae)

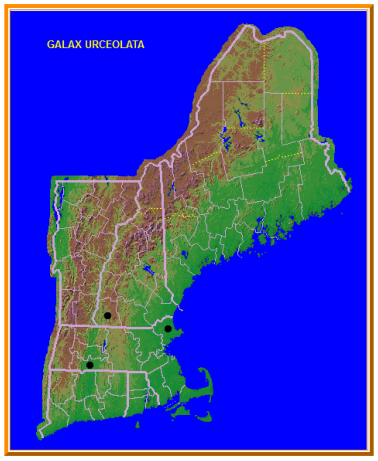
GAILLARDIA PULCHELLA Fougeroux - **Firewheel.** 2n = 34.
Waste places, roadsides, dry, sandy open places. From farther west. [*G. PULCHELLA* var. *PICTA* (D. Don) A. Gray; *G. PICTA* D. Don]

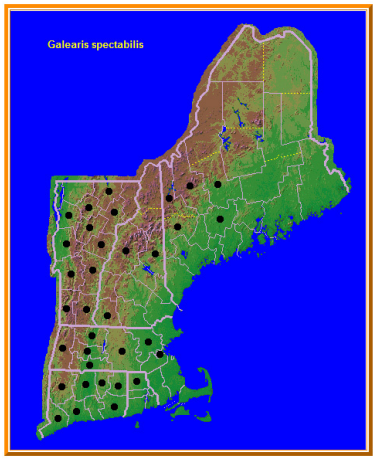
***Gaillardia* hybrid**

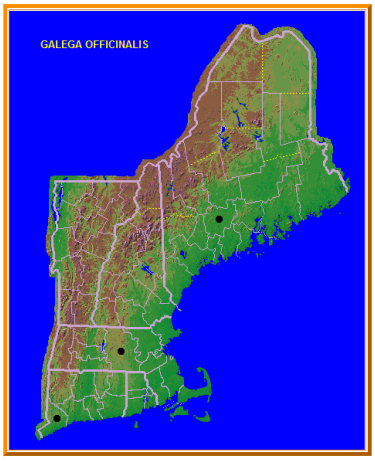
GAILLARDIA X ***GRANDIFLORA*** Van Houtte (*pro species*) - .
[*G. ARISTATA* Pursh X *G. PULCHELLA* Fougeroux]

GALANTHUS (Family: Amaryllidaceae)

GALANTHUS NIVALIS Linnaeus - **Snowdrop**. 2n = 24, 24 + (1-10)B, 26.
Waste places, railroad embankments. From Europe.







GALAX (Family: Diapensiaceae)

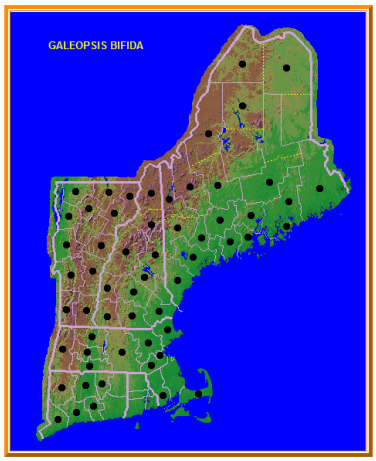
GALAX URCEOLATA (Poiret) Brummitt - **Beetleweed**. 2n = 6, 12, 18, 24.
Steep slopes in shade of trees, oak forests. From farther south and west. [*G. APHYLLA* Linnaeus - misapplied]

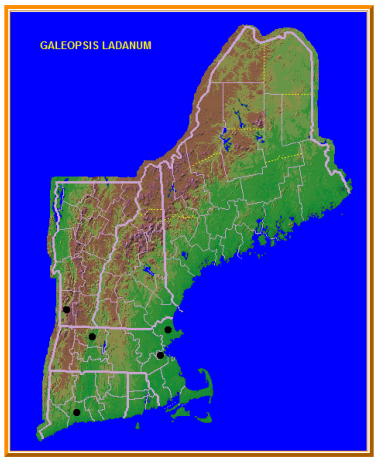
GALEARIS (Family: Orchidaceae)

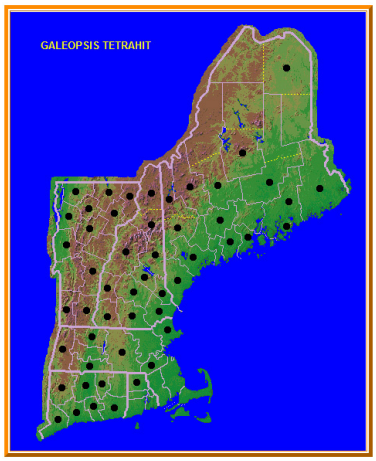
Galearis spectabilis (Linnaeus) Rafinesque - **Showy Orchis**. 2n = 42.
Rich woods, mostly in basic soils. [*Orchis spectabilis* Linnaeus]

GALEGA (Family: Fabaceae)

GALEGA OFFICINALIS Linnaeus - **Professor-weed**. 2n = 16.
Roadsides, waste areas, wet, salt meadow borders. From Eurasia, northern Africa.





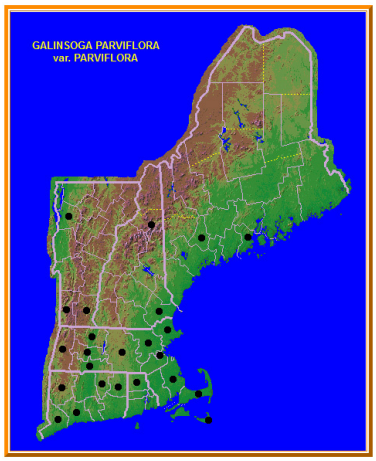


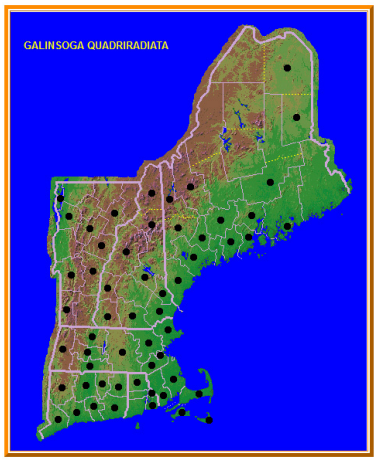
GALEOPSIS (Family: Lamiaceae)

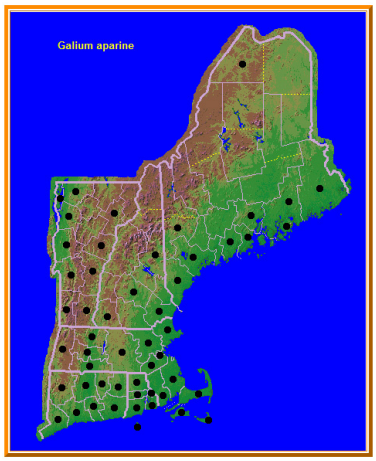
GALEOPSIS BIFIDA Boenninghausen - . 2n = 32.
Roadsides, waste places, fields. From Eurasia. [*G. TETRAHIT* Linnaeus var. *BIFIDA* (Boenninghausen) Lejeune & Courtois]

GALEOPSIS LADANUM Linnaeus - . 2n = 16.
Waste places, sea beaches, meadows. From Eurasia. [*G. LADANUM* var. *LATIFOLIA* (Hoffman) Wallroth]

GALEOPSIS TETRAHIT Linnaeus - . 2n = 32.
Woodlands, fields, roadsides, waste places. From Eurasia.







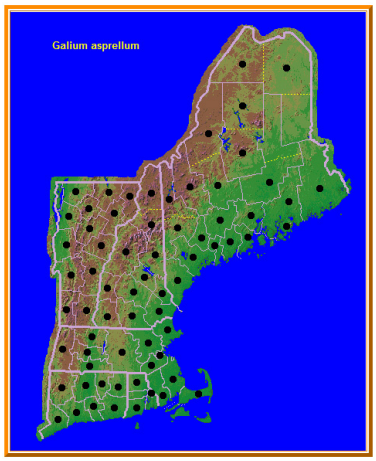
GALINSOGA (Family: Asteraceae)

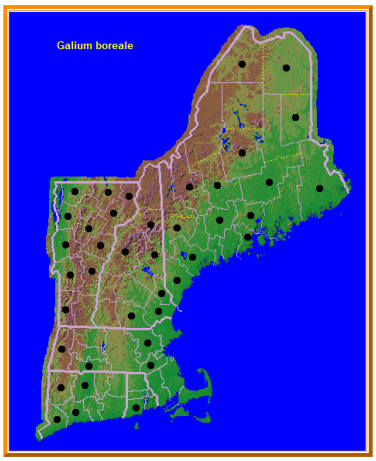
GALINSOGA PARVIFLORA Cavanilles var. ***PARVIFLORA*** - **Gallant Soldier**. 2n = 16.
Waste places, roadsides, fields. From Mexico, West Indies, Central & South America.

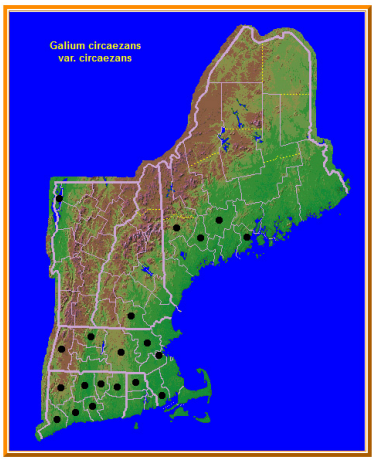
GALINSOGA QUADRIRADIATA Ruiz & Pavón - **Shaggy Soldier**. 2n = (16), 32 + (0-2)B, (48).
Waste places, roadsides, fields. From Mexico, West Indies, Central & South America. [*G. BICOLORATA* H. St. John & D. White; *G. CARACASANA* (de Candolle) Schultz-Bipontinus; *G. CILIATA* (Rafinesque) S. F. Blake; *G. PARVIFLORA* Cavanilles var. HISPIDA de Candolle]

GALIUM (Family: Rubiaceae)

Galium aparine (Hill) Linnaeus - **Cleavers**. 2n = 64, (66).
Open, rich woods, thickets, swamps, waste places, damp ground, usually in shade.



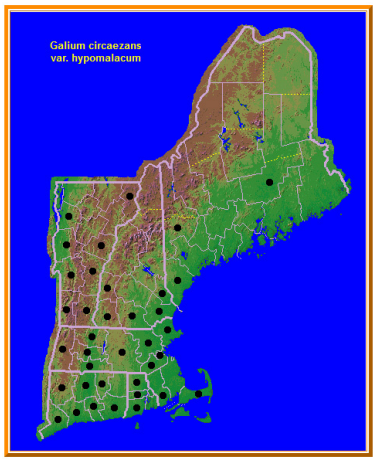


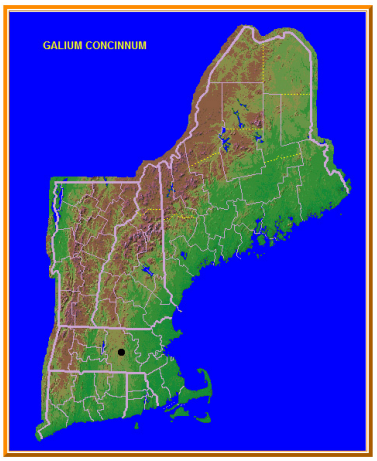


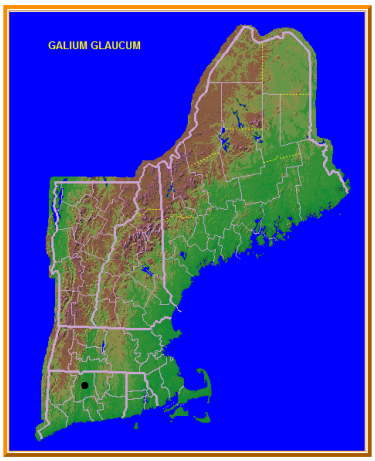
Galium asprellum Michaux - **Rough Bedstraw**. 2n = ?
Wet thickets and woods, meadows, low ground, roadside ditches.

Galium boreale Linnaeus - **Northern Bedstraw**. 2n = (22), 44, 66.
Fields, meadows, shores, streambanks, moist, rocky woods, roadsides. [*G. boreale* var. *hyssopifolium* (Hoffmann) de Candolle; *G. boreale* var. *intermedium* de Candolle]

Galium circaezans Michaux var. ***circaezans*** - **Licorice Bedstraw**. 2n = 22.
Rich, often rocky, woods, wooded ledges and talus slopes.



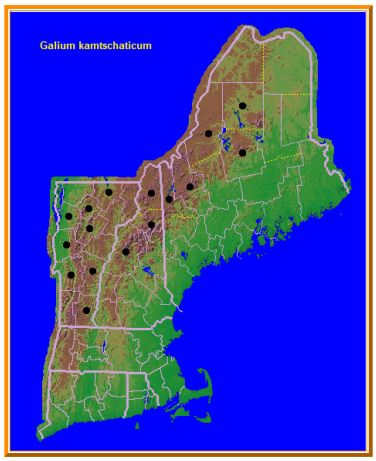


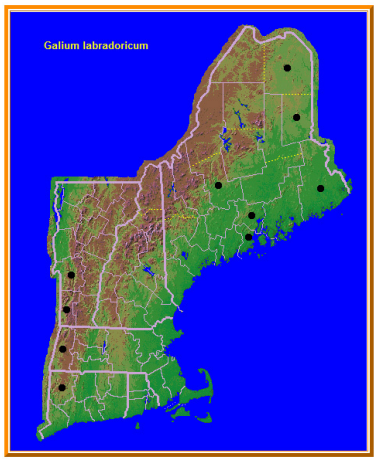


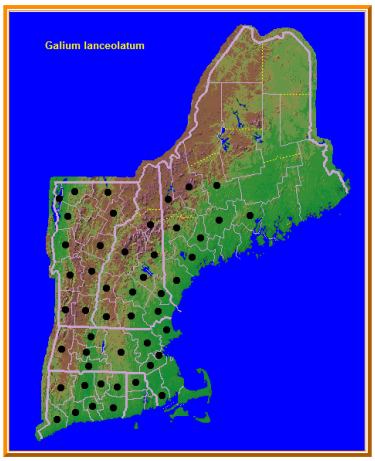
Galium circaezans var. ***hypomalacum*** Fernald - . 2n = ?
Rich, often rocky, woods, wooded ledges and talus slopes.

GALIUM CONCINNUM Torrey & A. Gray - . 2n = ?
Fields. From farther west.

GALIUM GLAUCUM Linnaeus - . 2n = 22, 44.
Fields. From Eurasia.



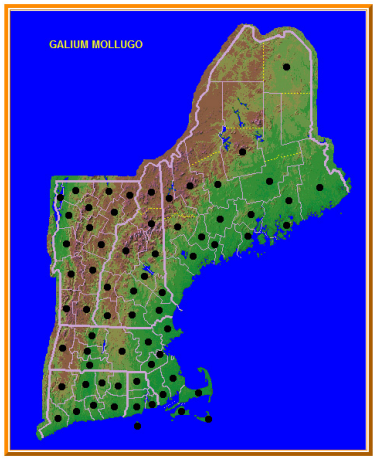


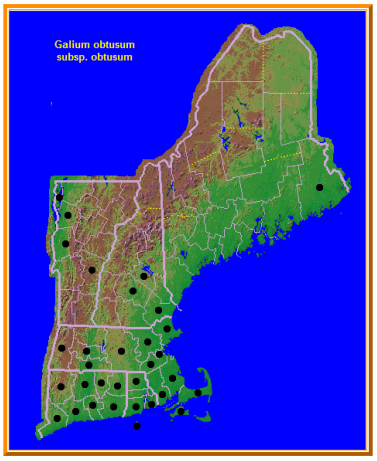


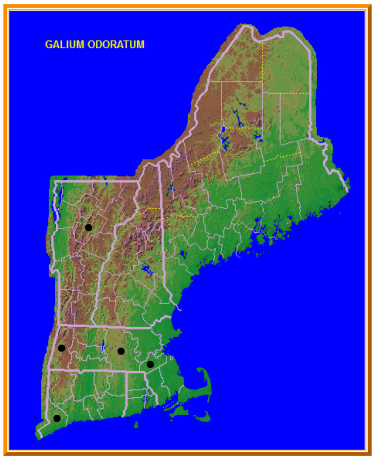
Galium kamtschaticum Steller *ex* Schultes & Schultes (son) - . 2n = 22, 44.
Mossy woods, brooksides, thickets, usually in mountainous areas.

Galium labradoricum (Wiegand) Wiegand - . 2n = 24.
Swamps, bogs, mossy thickets, often with *Thuja occidentalis*.

Galium lanceolatum (Torrey) Torrey - . 2n = ?
Dry, rich woods and thickets, often rocky.



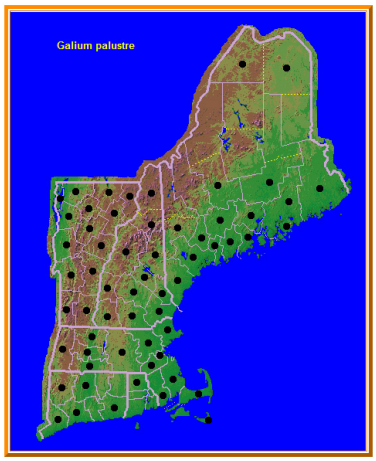


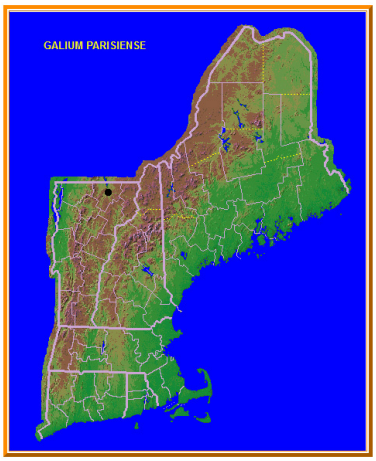


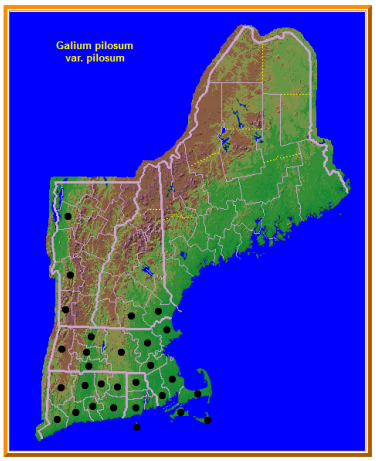
GALIUM MOLLUGO Linnaeus - **False Baby's-breath**. 2n = 22, 44.
Roadsides, fields, waste places. From Eurasia, northern Africa. [*G. ALBUM* Miller; *G. ERECTUM* Hudson]

Galium obtusum Bigelow subsp. ***obtusum*** - . 2n = 48.
Meadows, marshes, low, moist woods, swampy thickets, shores. [*G. obtusum* var. *ramosum* Gleason]

GALIUM ODORATUM (Linnaeus) Scopoli - **Sweet Woodruff**. 2n = (22), 44, (66).
Springs, meadows, woods, waste places. From Eurasia. [*ASPERULA ODORATA* Linnaeus]



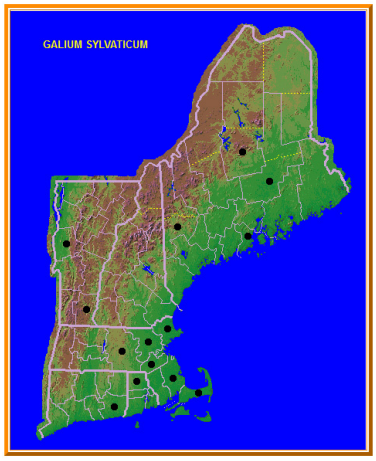


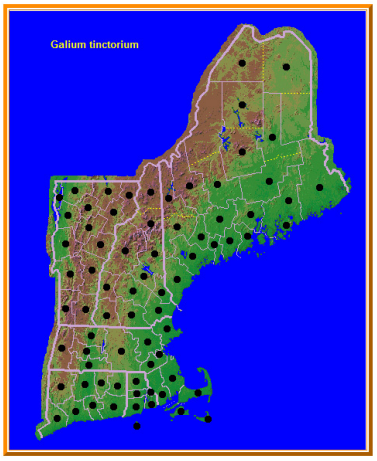


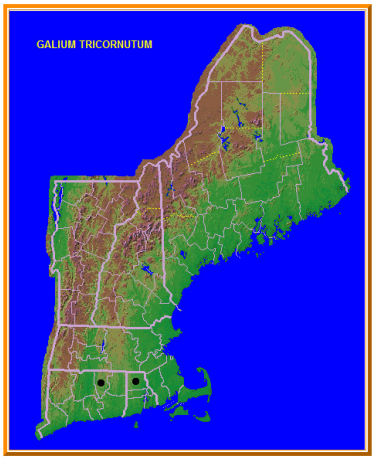
Galium palustre Linnaeus - . 2n = 24, 48, 96.
Meadows, swamps, low, moist woods, wet thickets, springs, streambanks, pond shores, roadside ditches.

GALIUM PARISIENSE Linnaeus - **Wall Bedstraw**. 2n = (22), 44, (62), (66).
Swales, ditches. From Europe.

Galium pilosum Aiton var. ***pilosum*** - . 2n = 22.
Dry, open woods.



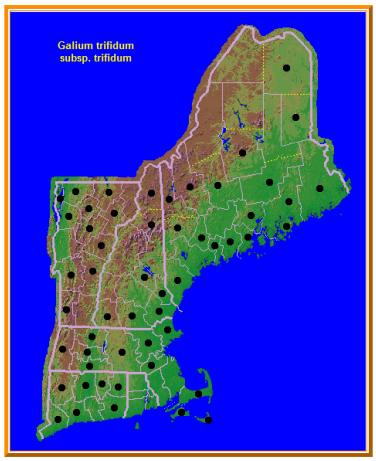


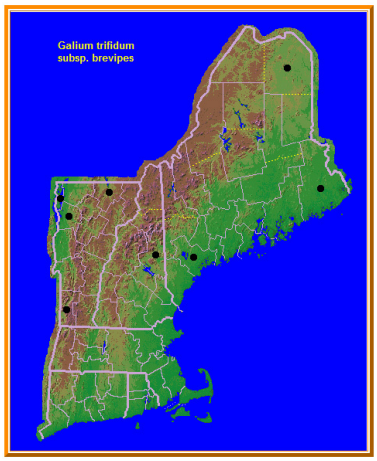


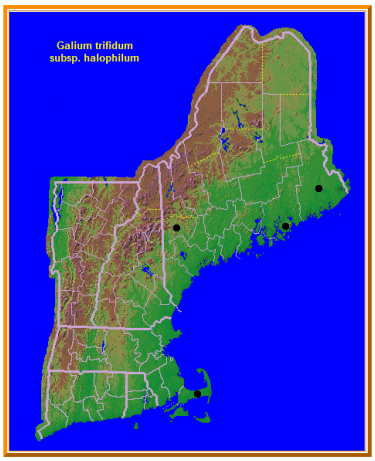
GALIUM SYLVATICUM Linnaeus - **Scotch-mist**. 2n = 22.
Thicket borders, fields, roadsides, ledges, waste areas. From Europe.

Galium tinctorium Linnaeus - . 2n = ?
Swamps, moist places. [*G. tinctorium* var. *floridanum* Wiegand]

GALIUM TRICORNUTUM Dandy - **Corn Cleavers**. 2n = (22), 44.
Waste places. From Eurasia. [*G. tricorne* Stokes illegitimate name]



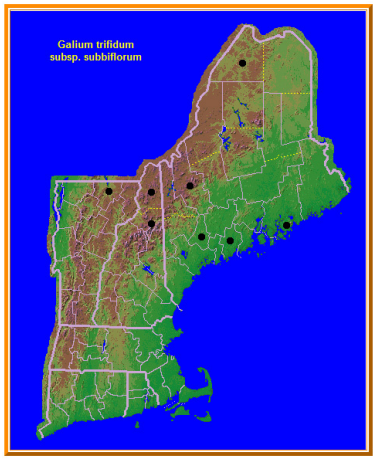


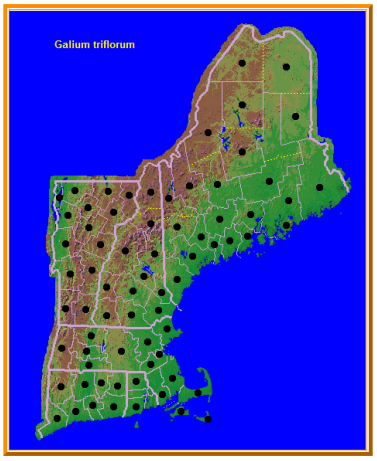


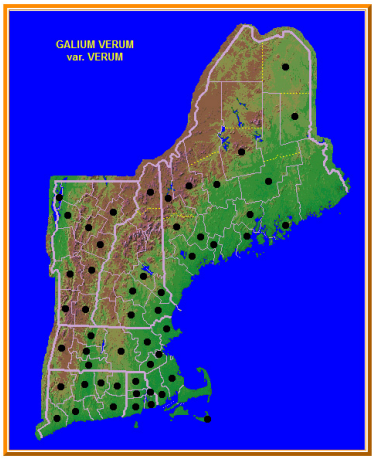
Galium trifidum Linnaeus subsp. ***trifidum*** - . 2n = 24.
Bogs, swamps, shores, meadows, wet roadsides.

Galium trifidum Linnaeus subsp. ***brevipes*** (Fernald & Wiegand) Á. Löve & D. Löve - . 2n = 24.
Swamps, bogs, muddy river flats, shores, roadside swales, often in calcareous soil. [*G. brevipes* Fernald & Wiegand]

Galium trifidum Linnaeus subsp. ***halophilum*** (Fernald & Wiegand) Puff - . 2n = ?
Brackish or saline shores, salt marshes.



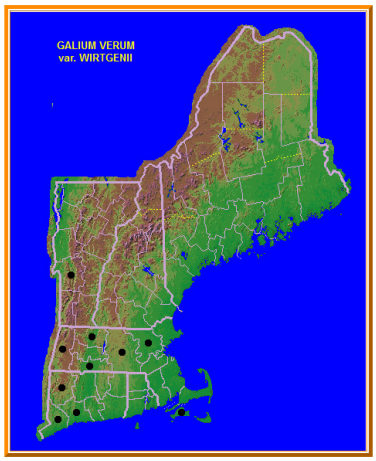


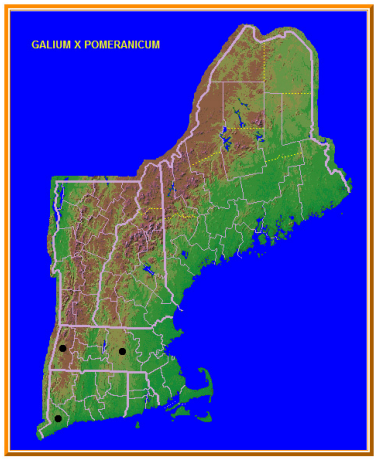


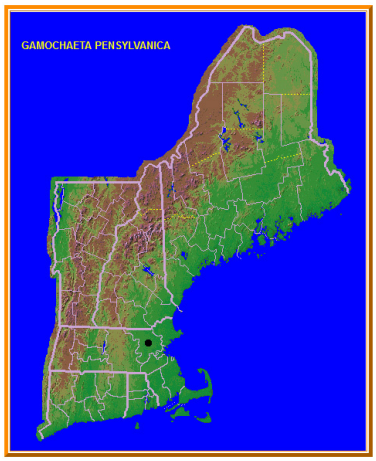
Galium trifidum Linnaeus subsp. ***subbiflorum*** (Wiegand) Puff - . 2n = ?
Meadows, bogs, sandy alluvium, waste places. [*G. tinctorium* Linnaeus var. *subbiflorum* (Wiegand) Fernald]

Galium triflorum Michaux - **Sweet-scented Bedstraw**. 2n = 44, 66.
Woods, usually moist, swamps, bogs. [*G. triflorum* var. *asprelliforme* Fernald]

GALIUM VERUM Linnaeus var. ***VERUM*** - **Yellow Bedstraw**. 2n = 44.
Dry fields, roadsides, waste places. From Eurasia, northwestern Africa.







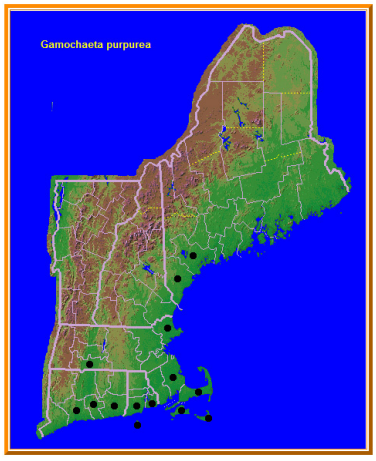
GALIUM VERUM Linnaeus var. ***WIRTGENII*** (F.W. Schultz) Nyman - . 2n = 22.
Fields, meadows, roadsides, waste places. [*G. WIRTGENII* F.W. Schultz]

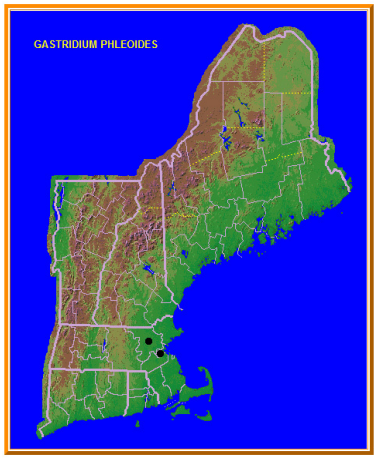
***Galium* hybrid**

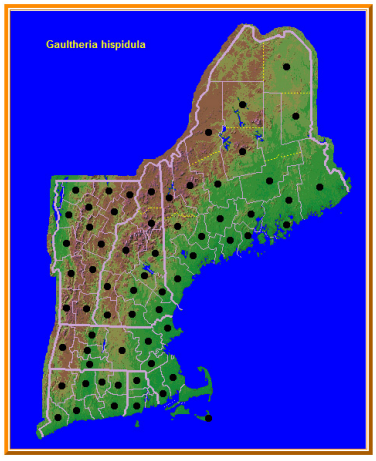
GALIUM X ***POMERANICUM*** Retzius.
[*G. MOLLUGO* Linnaeus X *G. VERUM* Linnaeus var. *VERUM*; *G.* X *OCHROLEUCUM* Wolf *ex* Schweigger (*pro species*)]

GAMOCHAETA (Family: Asteraceae)

GAMOCHAETA PENSYLVANICA (Willdenow) Cabrera - . 2n = 28.
Waste places, roadsides, fields. From Mexico, Central & South America. [*GNAPHALIUM PEREGRINUM* Fernald]







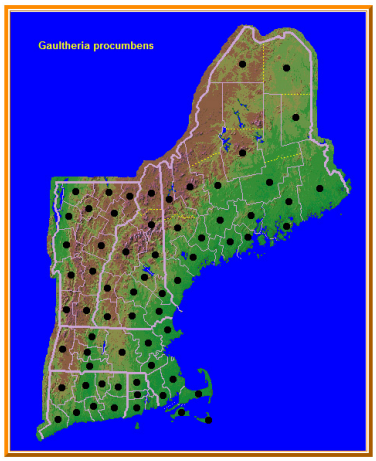
Gamochaeta purpurea (Linnaeus) Cabrera - **Purple Cudweed**. 2n = (14), 28.
Dry fields, sandy openings, waste places, roadsides. [*Gnaphalium purpureum* Linnaeus]

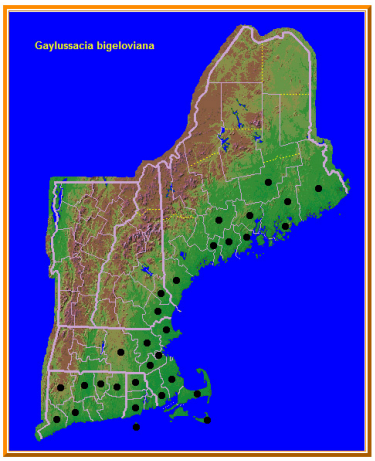
GASTRIDIUM (Family: Poaceae)

GASTRIDIUM PHLEOIDES (Nees & Meyen) C.E. Hubbard - . 2n = 14, 28.
Wool waste, rubbish. From southwestern Asia & northeastern Africa. [*G. ventricosum* misapplied]

GAULTHERIA (Family: Ericaceae)

Gaultheria hispidula (Linnaeus) Muhlenberg *ex* Bigelow - **Creeping Snowberry**. 2n = 22, 24.
Sphagnum bogs, mossy coniferous woods and swamps, often on mossy or rotting logs. [*Chiogenes hispidula* (Linnaeus) Torrey & A. Gray]



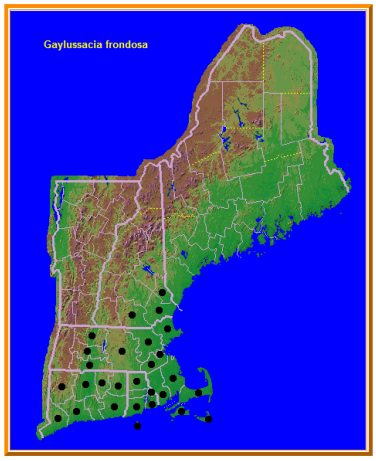


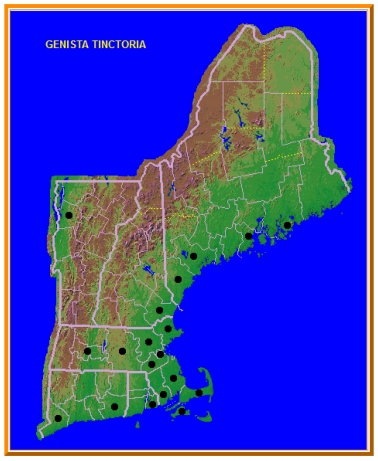
Gaultheria procumbens Linnaeus - **Checkerberry**. 2n = (22), 44, 88.
Dry, acidic woods and clearings.

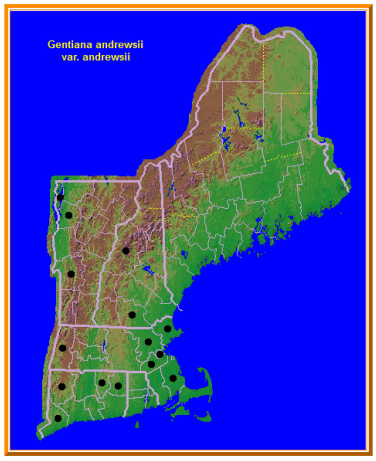
GAYLUSSACIA (Family: Ericaceae)

Gaylussacia baccata (Wangenheim) K. Koch - **Black Huckleberry**. 2n = 24.
Dry, open woods, thickets, pastures, ledges.

Gaylussacia bigeloviana (Fernald) Sorrie & Weakley - **Bog Huckleberry**. 2n = 24.
Sphagnum bogs, sphagnous or *Chamaecyparis* swamps. [*G. dumosa* (Andrews) A. Gray var. *bigeloviana* Fernald]







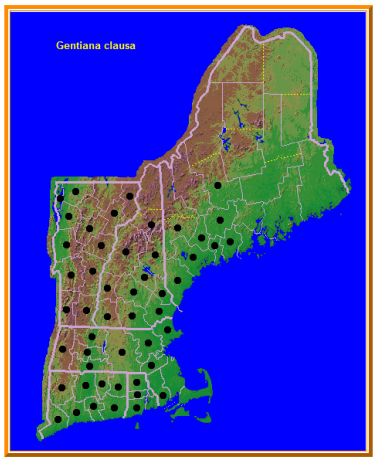
Gaylussacia frondosa (Linnaeus) Torrey & A. Gray - **Dangleberry**. 2n = 48.
Dry, woods, thickets.

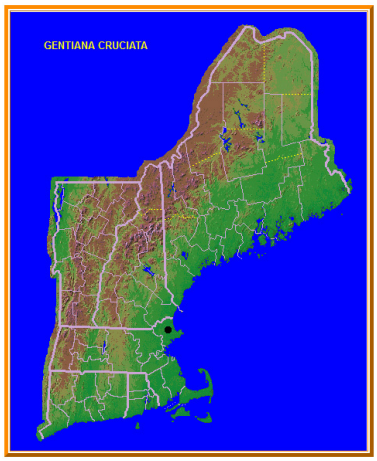
GENISTA (Family: Fabaceae)

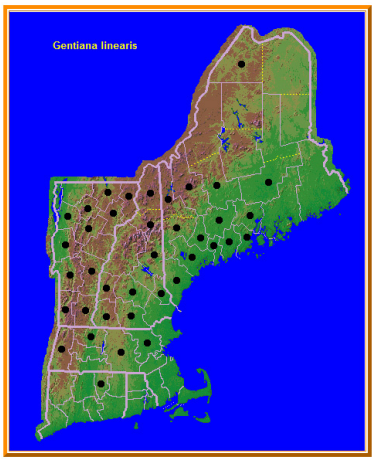
GENISTA TINCTORIA Linnaeus - **Dyer's Greenweed**. 2n = 48, (96).
Dry fields, woodland margins, roadsides, waste places, usually in dry, sterile, sandy or rocky soil. From Eurasia.

GENTIANA (Family: Gentianaceae)

Gentiana andrewsii Grisebach var. ***andrewsii*** - . 2n = 26.
Meadows, low thickets, moist, open woods, swamps.



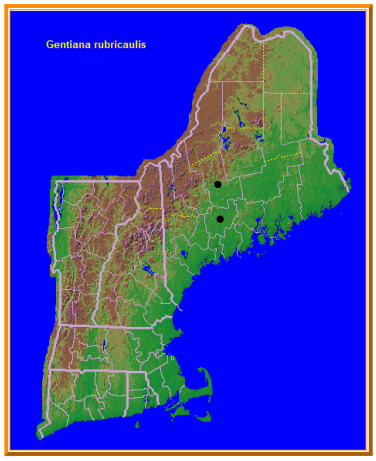


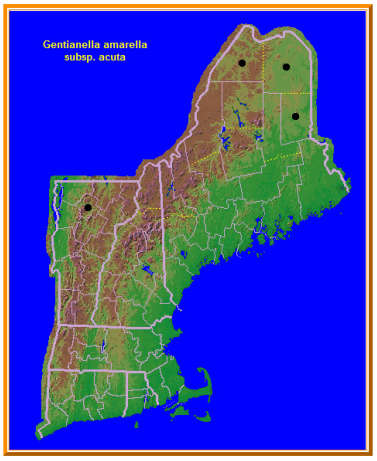


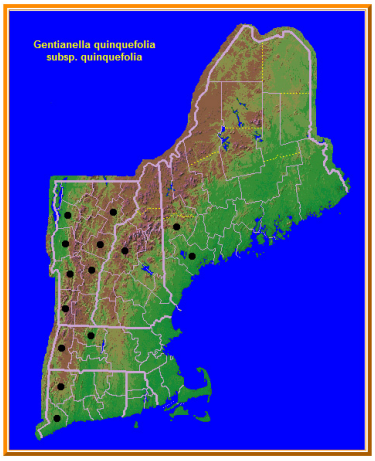
Gentiana clausa Rafinesque - **Bottle Gentian**. 2n = 26.
Streambanks, moist woodland margins, meadows, moist thickets.

GENTIANA CRUCIATA Linnaeus - **Star Gentian**. 2n = 52.
Gravel banks. From Eurasia.

Gentiana linearis Froelich - **Narrow-leaved Gentian**. 2n = 26.
Bogs, meadows, thickets, shores, generally acid soils.





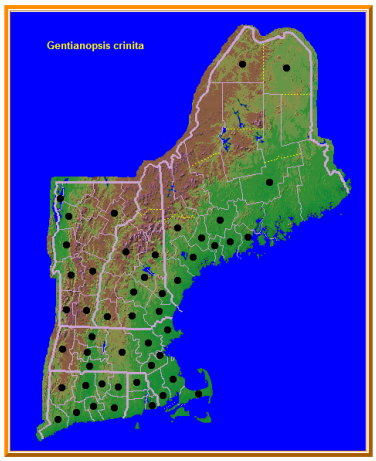


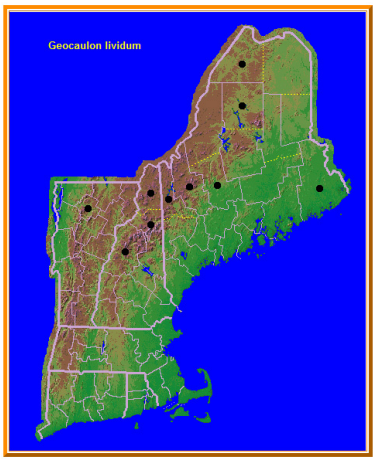
Gentiana rubricaulis Schweinitz - **Great Lakes Gentian**. 2n = ?
Cleared ground, swales, fens, meadows, calcareous soils.

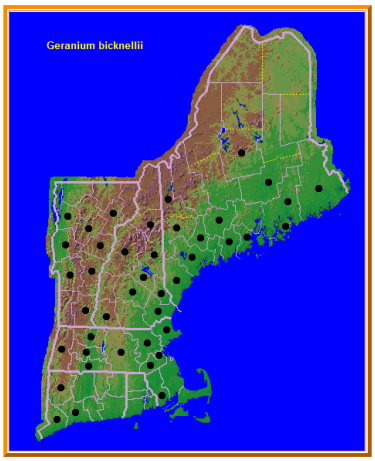
GENTIANELLA (Family: Gentianaceae)

Gentianella amarella (Linnaeus) Börner subsp. ***acuta*** - **Felwort**. 2n = 18, 36.
Riverbanks, alpine brooks, generally moist, rocky or gravelly, calcareous soil. [*Gentiana amarella* Linnaeus (in part)]

Gentianella quinquefolia (Linnaeus) Small subsp. ***quinquefolia*** - **Stiff Gentian**. 2n = 38.
Meadows, rich, moist woods, wet, gravelly banks, roadsides. [*Gentiana quinquefolia* Linnaeus var. *quinquefolia*]







GENTIANOPSIS (Family: Gentianaceae)

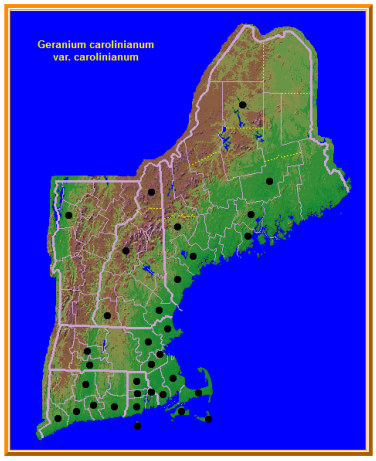
Gentianopsis crinita (Froelich) Ma - **Fringed Gentian**. 2n = 78.
Meadows, brooksides, wet thickets, low woods, fields, roadsides, usually in more or less calcareous soil. [*Gentiana crinita* Froelich]

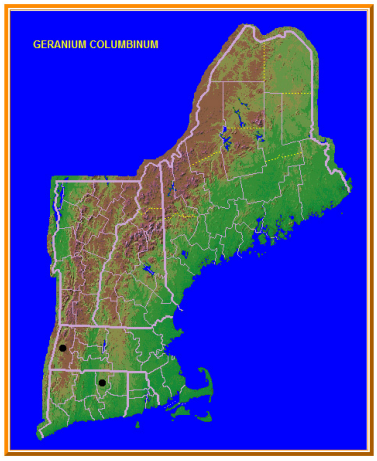
GEOCAULON (Family: Santalaceae)

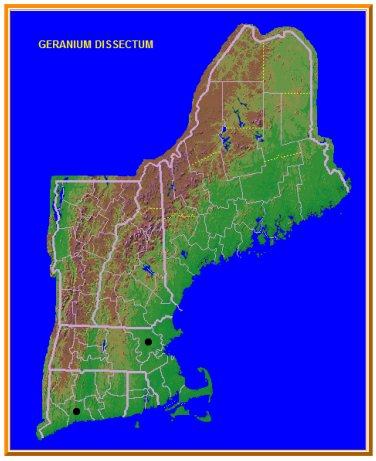
Geocaulon lividum (Richardson) Fernald - . 2n = 26.
Sphagnum bogs, often at high altitudes, sphagnous openings, occasionally coastal peatlands.

GERANIUM (Family: Geraniaceae)

Geranium bicknellii Britton - . 2n = 52.
Roadsides, waste places, dry ledges, open woodlands, clearings, fields.



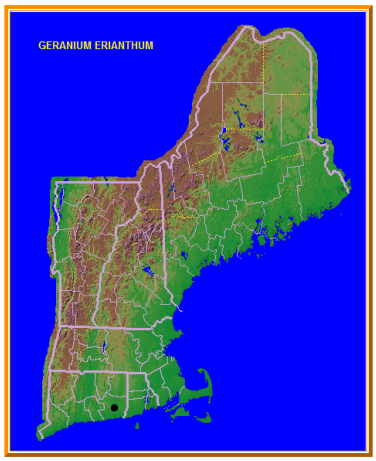


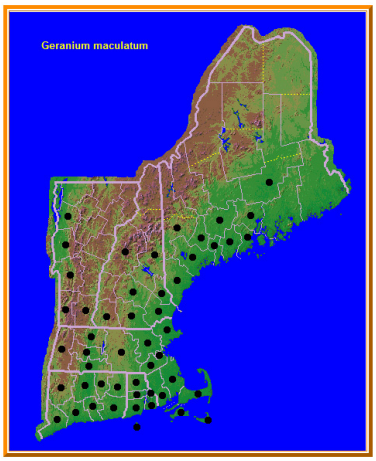


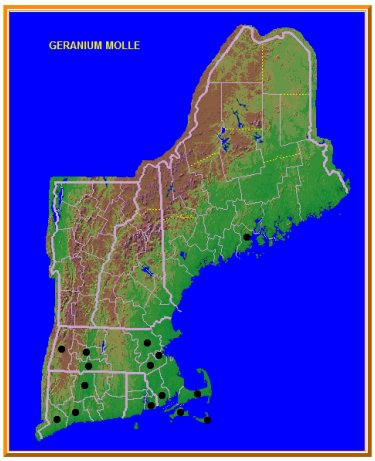
Geranium carolinianum Linnaeus var. ***carolinianum*** - . 2n = 52.
Waste places, roadsides, fields, rocky woodlands, dry, sandy soil. [*G. carolinianum* var. *confertflorum* Fernald]

GERANIUM COLUMBINUM Linnaeus - **Long-stalked Cranesbill**. 2n = 18.
Woodland margins, dry, sandy, somewhat calcareous, old fields. From Eurasia, northwestern Africa.

GERANIUM DISSECTUM Linnaeus - . 2n = 22.
Waste places, roadsides. From Eurasia, northern Africa.



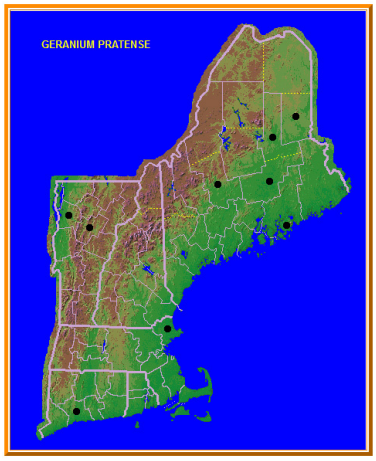


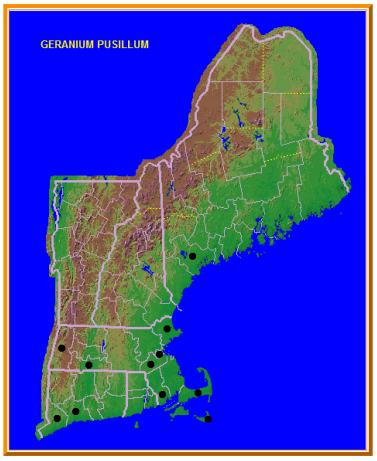


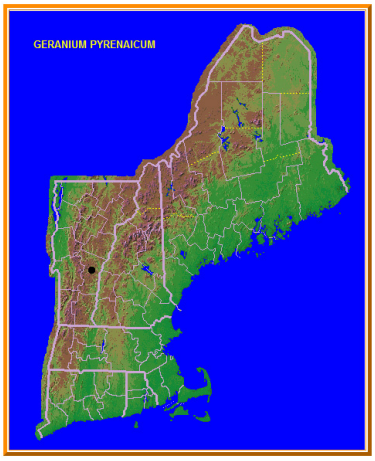
GERANIUM ERIANTHUM de Candolle - . 2n = 28.
Roadside ledges. From northwestern North America, northeastern Asia. [*G. PRATENSE* Linnaeus var. *ERIANTHUM* (de Candolle) B. Boivin]

Geranium maculatum Linnaeus - **Wild Geranium**. 2n = 52.
Thickets, meadows, roadsides, woodlands, clearings.

GERANIUM MOLLE Linnaeus - **Dovesfoot Cranesbill**. 2n = 26.
Waste places, fields, roadsides. From Eurasia, northern Africa.



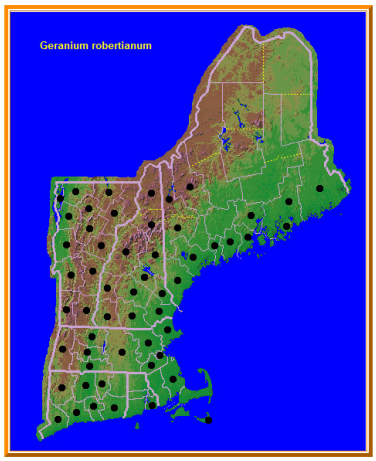


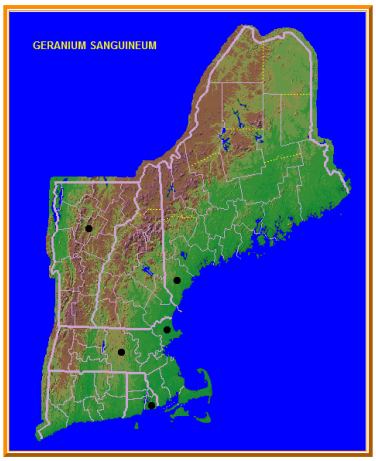


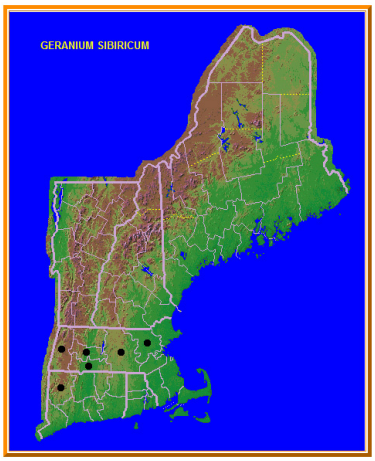
GERANIUM PRATENSE Linnaeus - **Dovesfoot Cranesbill**. 2n = 28.
Fields, meadows, roadsides. From Eurasia.

GERANIUM PUSILLUM Linnaeus - **Small-flowered Cranesbill**. 2n = 26.
Waste places, fields, roadsides. From Eurasia, northern Africa.

GERANIUM PYRENAICUM Burman (son) - . 2n = 26.
Waste places. From Eurasia, northwestern Africa.



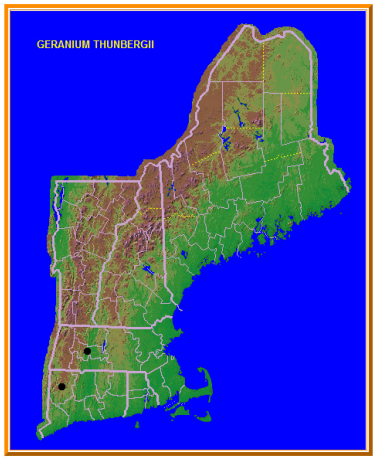


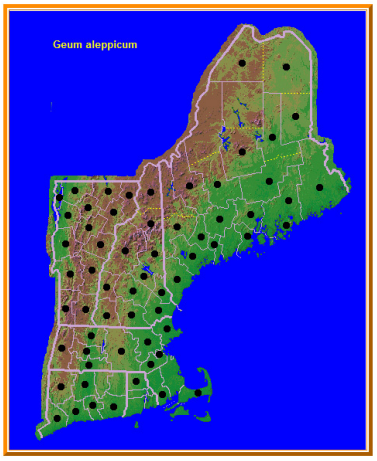


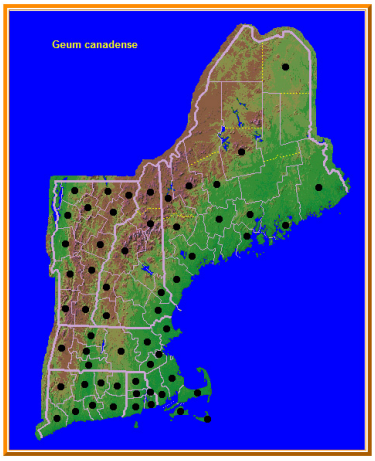
Geranium robertianum Linnaeus - **Herb-Robert**. 2n = 64.
Rocky woodlands, ledges, coastal beaches, gravelly shores.

GERANIUM SANGUINEUM Linnaeus - **Bloody Cranesbill**. 2n = 84.
Damp fields, clearings, railroad ballast, waste places, cemeteries. From Eurasia.

GERANIUM SIBIRICUM Linnaeus - **Siberian Cranesbill**. 2n = 28.
Waste places, roadsides, fields. From Eurasia.





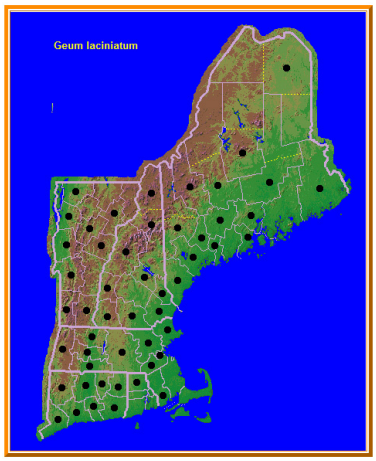


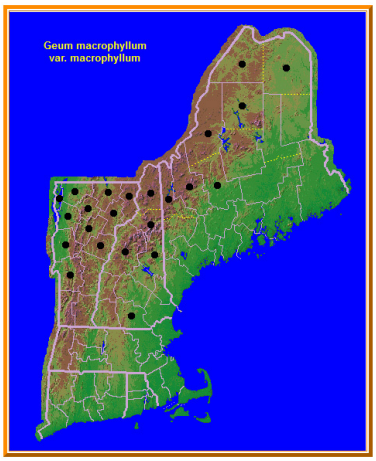
GERANIUM THUNBERGII Siebold *ex* Lindley & Paxton - . 2n = 28.
Sandy, open area, open path by pond. From eastern Asia. [*G. NEPALENSE* Sweet var. *THUNBERGII* (Siebold *ex* Lindley & Paxton) Kudô]

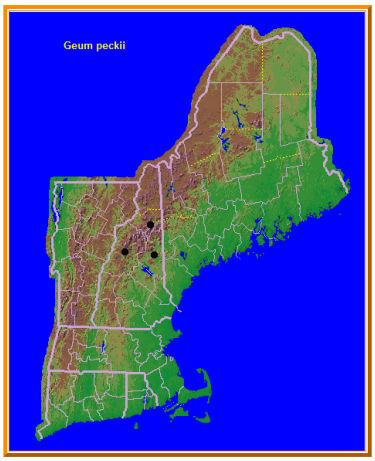
GEUM (Family: Rosaceae)

Geum aleppicum Jacquin - **Yellow Avens**. 2n = 42.
Thickets, woods, meadows, clearings. [*G. aleppicum* var. *strictum* Fernald]

Geum canadense Jacquin - **White Avens**. 2n = 42.
Rich thickets, open woods, woodland margins, fields, roadsides. [*G. canadense* var. *camporum* (Rydberg) Fernald & Weatherby]



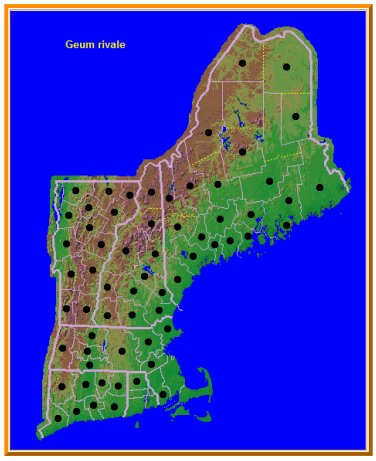


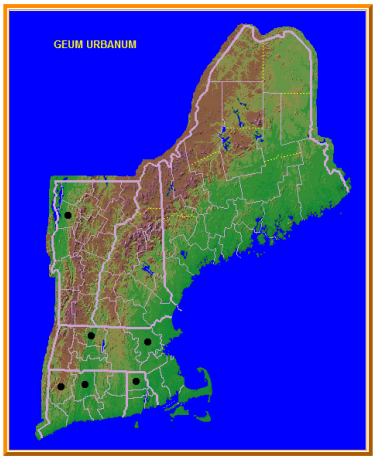


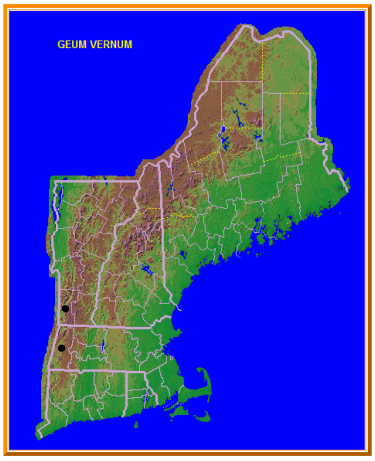
Geum laciniatum Murray - **Rough Avens**. 2n = 42.
Moist thickets, meadows, roadsides. [*G. laciniatum* var. *trichocarpum* Fernald]

Geum macrophyllum Willdenow var. ***macrophyllum*** - . 2n = 42.
Wet woods, thickets, fields, roadsides.

Geum peckii Pursh - **Mountain Avens**. 2n = 42.
Wet ledges, alpine meadows.



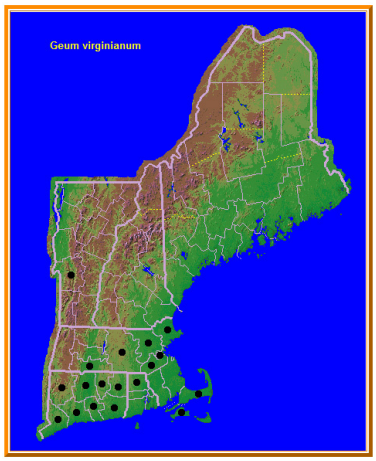


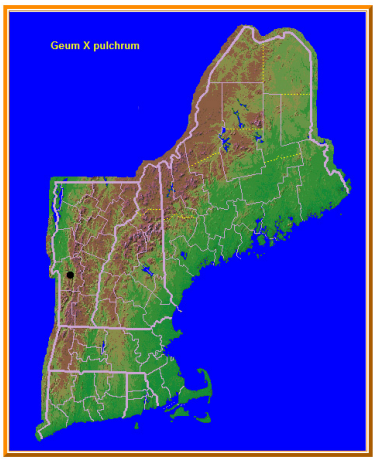


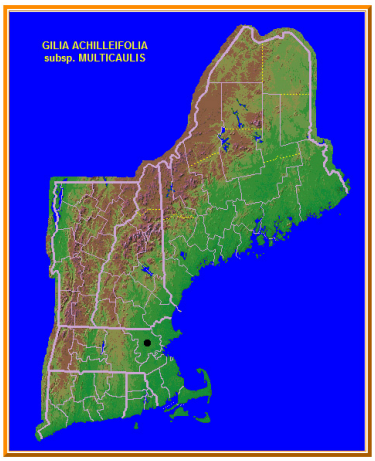
Geum rivale Linnaeus - **Purple Avens**. 2n = 42.
Swamps, wet meadows, bogs, wet woods, low fields, wet ditches.

GEUM URBANUM Linnaeus - **Wood Avens**. 2n = 42.
Fields, roadsides. From Eurasia, northern Africa.

GEUM VERNUM (Rafinesque) Torrey & A. Gray - **Spring Avens**. 2n = 42.
Rich woods. From farther west.







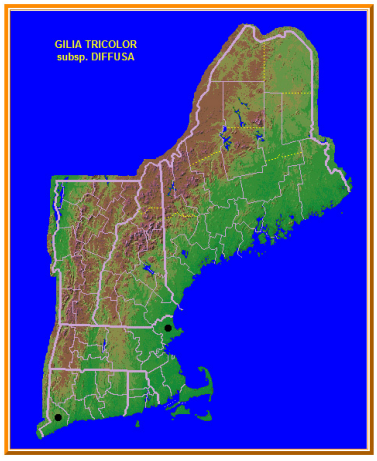
Geum virginianum Linnaeus - **Cream Avens**. 2n = 42.
Open, rich woods, thickets, rocky banks. [*G. flavum* (Porter) E.P. Bicknell]

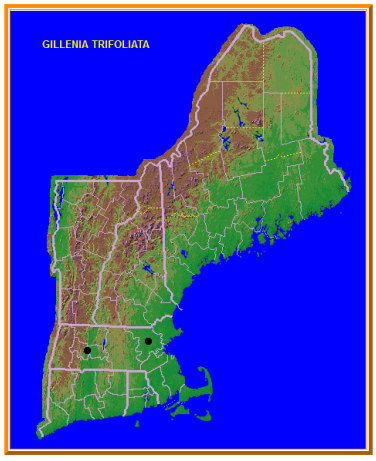
***Geum* hybrid**

Geum X ***pulchrum*** Fernald (*pro species*) - .
[*G. macrophyllum* Willdenow var. *macrophyllum* X *G. rivale* Linnaeus]

GILIA (Family: Polemoniaceae)

GILIA ACHILLEIFOLIA Bentham subsp. ***MULTICAULIS*** V.D. Grant & A.D. Grant - . 2n = 18.
Waste places. From California.



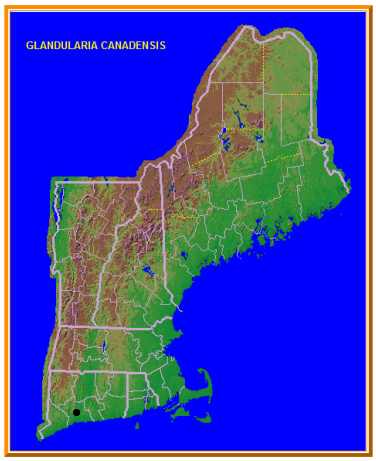


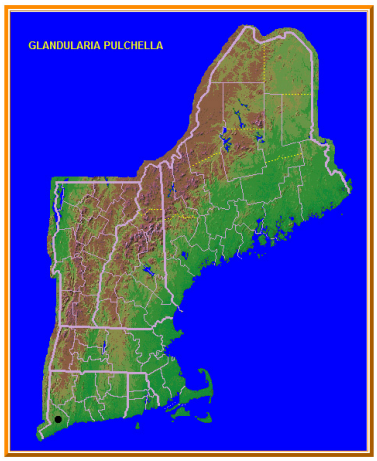
GILIA INTERIOR (H. Mason & A.D. Grant) A.D. Grant - . 2n = 18.
Wool waste. From California.

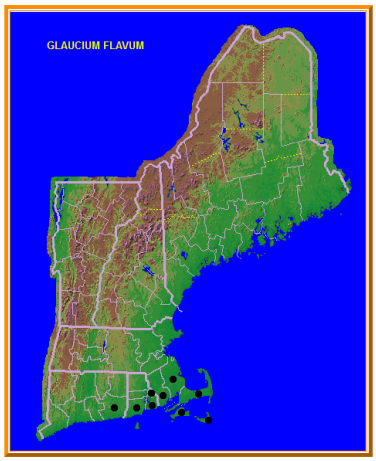
GILIA TRICOLOR Bentham subsp. ***DIFFUSA*** (Congdon) H. Mason & A.D. Grant - . 2n = 18.
Waste places. From California.

GILLENIA (Family: Rosaceae)

GILLENIA TRIFOLIATA (Linnaeus) Moench - **Bowman's-root**. 2n = 18.
Dry woods. From farther west and south. [*PORTERANTHUS TRIFOLIATUS* (Linnaeus) Britton]







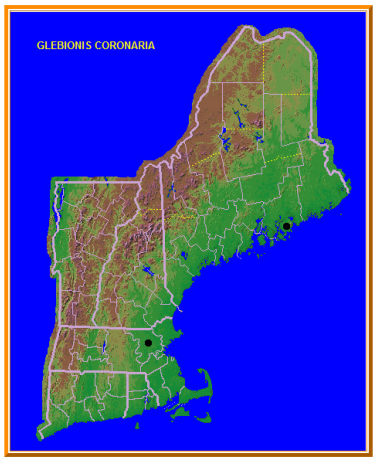
GLANDULARIA (Family: Verbenaceae)

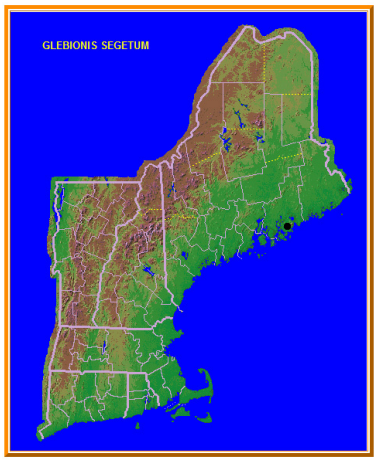
GLANDULARIA CANADENSIS (Linnaeus) Small - **Rose Vervain**. 2n = 30.
Roadsides. From farther south and west. [*VERBENA CANADENSIS* (Linnaeus) Britton]

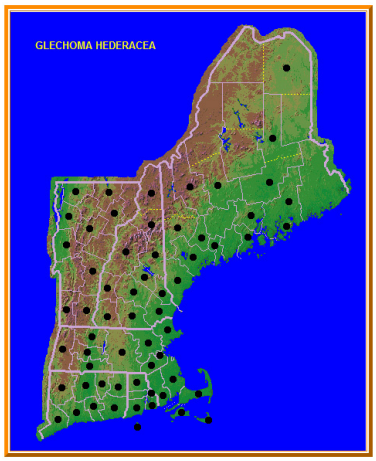
GLANDULARIA PULCHELLA (Sweet) Troncoso - . 2n = ?
Waste places. From South America. [*VERBENA PULCHELLA* Sweet; *V. TENUISECTA* Briquet]

GLAUCIUM (Family: Papaveraceae)

GLAUCIUM FLAVUM Crantz - **Yellow Horn-poppy**. 2n = 12.
Waste ground, sandy shores. From Eurasia.







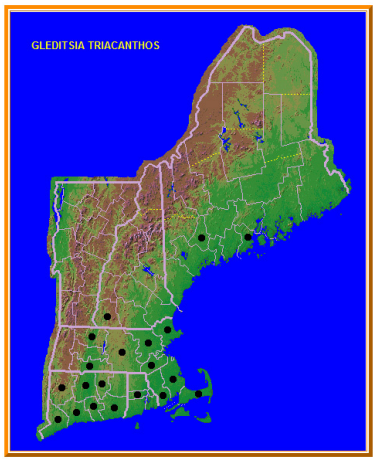
GLEBIONIS (Family: Asteraceae)

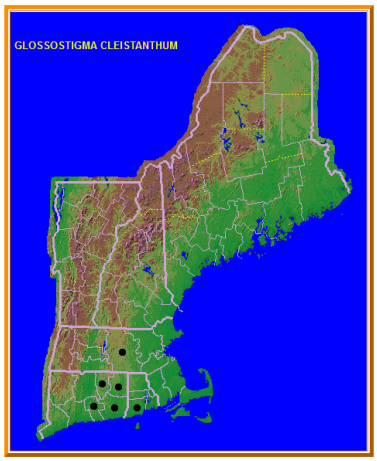
GLEBIONIS CORONARIA (Linnaeus) Cassini *ex* Spach - **Garland Chrysanthemum**. 2n = 18.
Waste places. From Eurasia, northern Africa. [*CHRYSANTHEMUM CORONARIUM* Linnaeus]

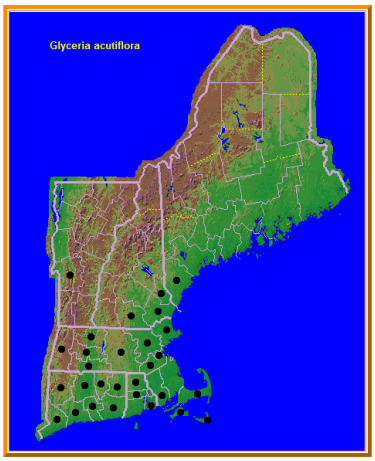
GLEBIONIS SEGETUM (Linnaeus) Fourreau - **Corn Marigold**. 2n = 18.
Waste places, roadsides. From Eurasia, northern Africa. [*CHRYSANTHEMUM SEGETUM* Linnaeus]

GLECHOMA (Family: Lamiaceae)

GLECHOMA HEDERACEA Linnaeus - **Gill-over-the-ground**. 2n = (18), 36.
Roadsides, moist woodlands, damp, shaded places, waste places. From Eurasia. [*G. HEDERACEA* var. *MICRANTHA* Moricand]







GLEDITSIA (Family: Fabaceae)

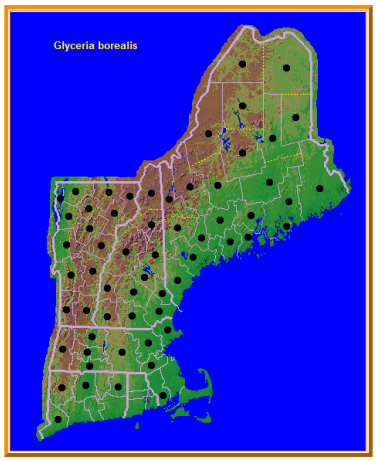
GLEDITSIA TRIACANTHOS Linnaeus - **Honey-locust**. 2n = 28.
Roadsides, riverbanks, shores, moist woods, waste areas. From farther west and south.

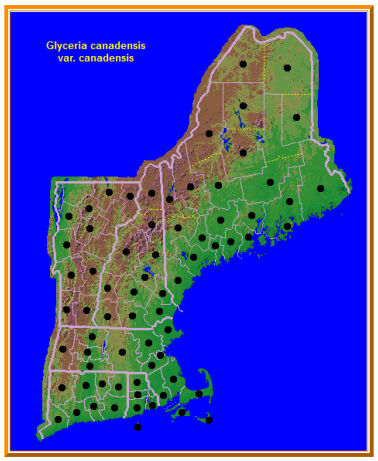
GLOSSOSTIGMA (Family: Phrymaceae)

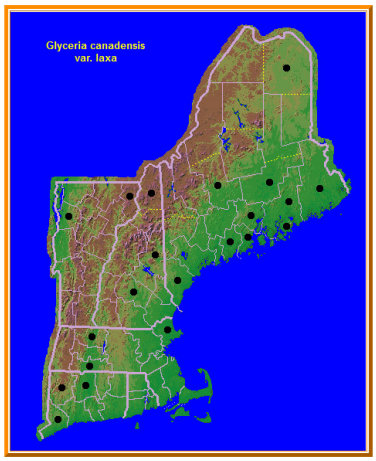
GLOSSOSTIGMA CLEISTANTHUM W.R. Barker - . 2n = 50.
Sandy, silty or gravelly pond and lake shores, occasionally intertidal shores. From Australia and New Zealand. [*G. diandrum* misapplied]

GLYCERIA (Family: Poaceae)

Glyceria acutiflora Torrey - . 2n = 20, 40.
Shallow water of pools, ponds, and streams.



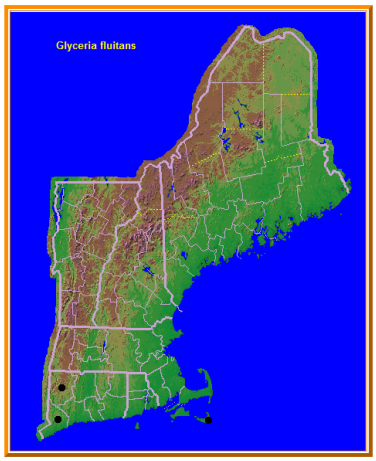


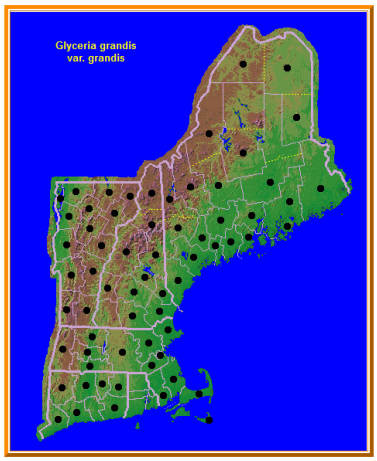


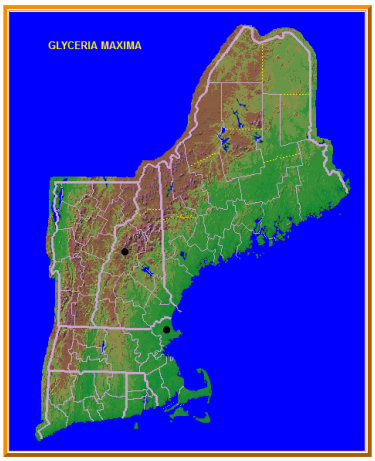
Glyceria borealis (Nash) Batchelder - **Northern Manna-grass**. 2n = 20.
Shallow water, wet places.

Glyceria canadensis (Michaux) Trinius var. ***canadensis*** - **Rattlesnake Grass**. 2n = 60.
Swamps, wet woods, shores.

Glyceria canadensis (Michaux) Trinius var. **laxa** (Scribner) Hitchcock - . 2n = 42, 46, 60.
Swamps, wet woods, shores. [*G.* X *laxa* (Scribner) Scribner (*pro species*)]



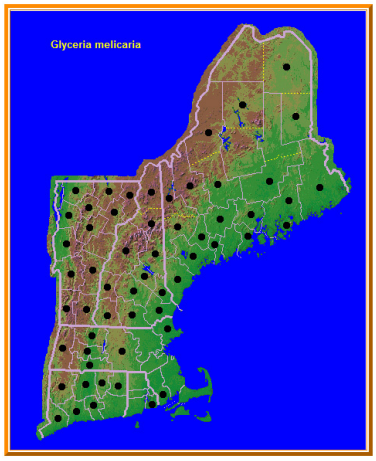


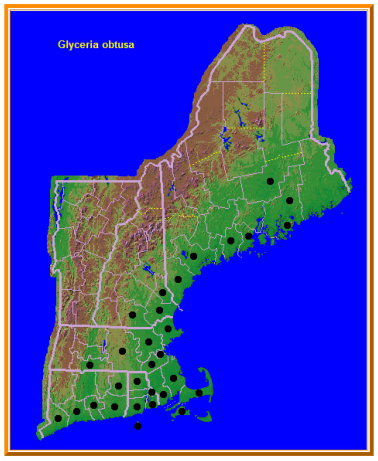


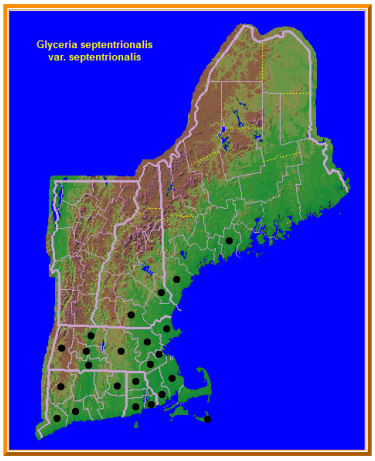
Glyceria fluitans (Linnaeus) R. Brown - **Float-grass**. 2n = (20), 40.
Shallow water.

Glyceria grandis S. Watson var. ***grandis*** - **Reed Meadow Grass**. 2n = 20.
Swamps, ditches, shores.

GLYCERIA MAXIMA (Hartman) Holmberg - . 2n = 56, 60.
Ditches. From Eurasia. [*G. SPECTABILIS* Mertens & Koch]



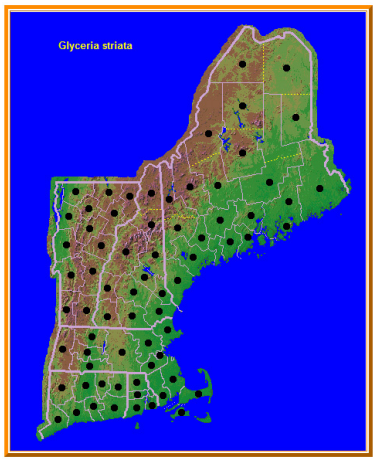


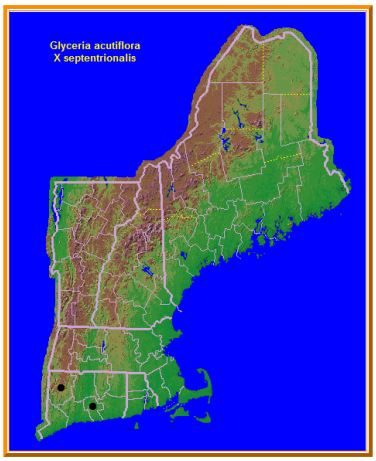


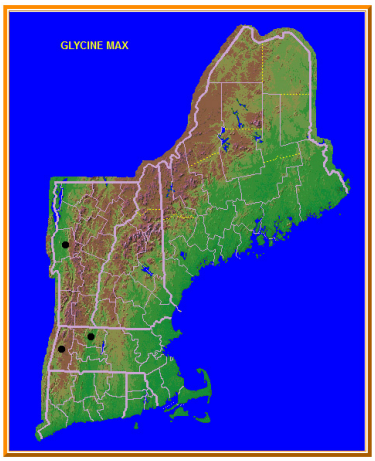
Glyceria melicaria (Michaux) F.T. Hubbard - . 2n = 40.
Wet woods.

Glyceria obtusa (Muhlenberg) Trinius - . 2n = 40.
Wet sandy soils, swamps, wet woods.

Glyceria septentrionalis Hitchcock var. ***septentrionalis*** - **Floating Manna-grass**. 2n = 20, 40.
Swamps, shores, meadows.







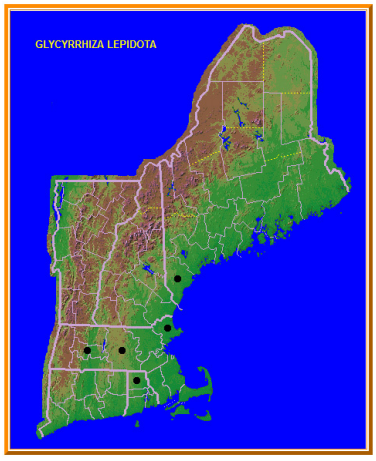
Glyceria striata (Lamarck) Hitchcock - **Fowl Meadow Grass**. 2n = 20.
Wet places. [*G. striata* var. *stricta* (Scribner) Fernald]

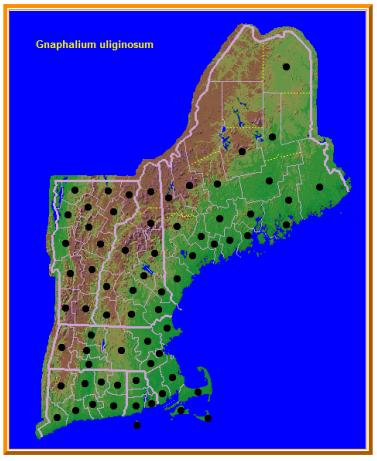
***Glyceria* hybrid**

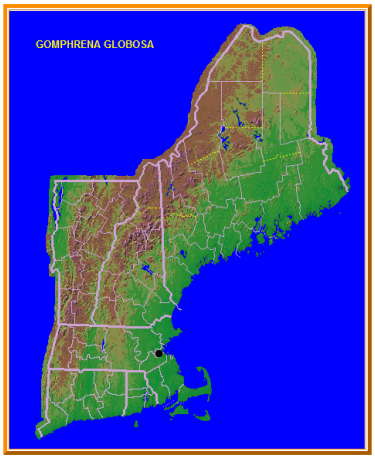
Glyceria acutiflora Torrey X ***G. septentrionalis*** Hitchcock - .
Shallow water sloughs in meadows.

GLYCINE (Family: Fabaceae)

GLYCINE MAX (Linnaeus) Merrill - **Soybean**. 2n = 40.
Fields, railroads, roadsides. From eastern Asia.







GLYCYRRHIZA (Family: Fabaceae)

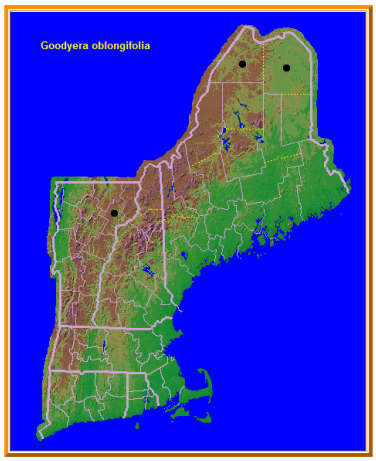
GLYCYRRHIZA LEPIDOTA Pursh - **Wild Licorice**. 2n = 16.
Waste places, fields. From farther west.

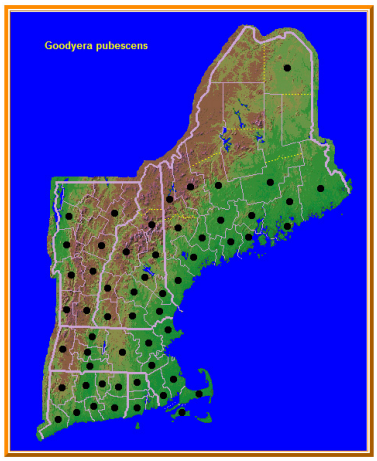
GNAPHALIUM (Family: Asteraceae)

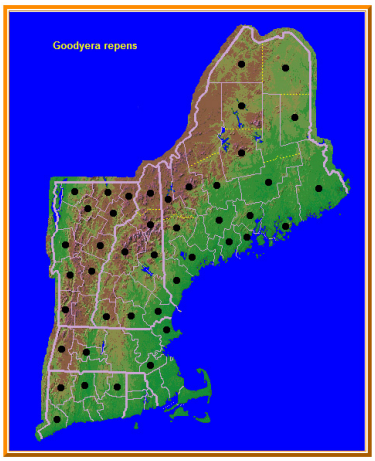
Gnaphalium uliginosum Linnaeus - **Low Cudweed**. 2n = 14.
Roadside ditches, damp clearings, meadows, waste places.

GOMPHRENA (Family: Amaranthaceae)

GOMPHRENA GLOBOSA Linnaeus - **Common Globe-amaranth**. 2n = 32, 38, 40, 42, 44, 45-48.
Waste places. From southern Asia.





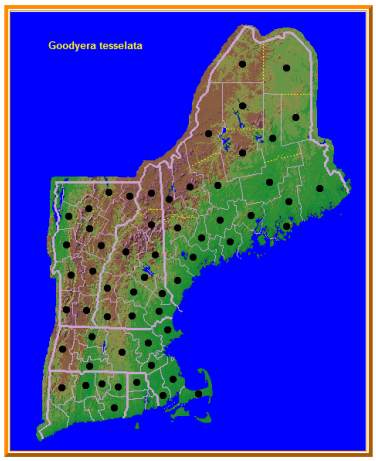


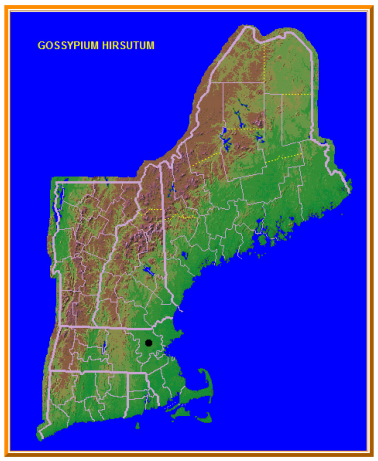
GOODYERA (Family: Orchidaceae)

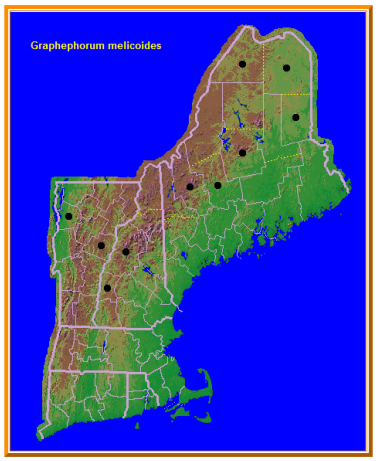
Goodyera oblongifolia Rafinesque - **Giant Rattlesnake-plantain**. 2n = (22), 30.
Dry coniferous or mixed woodlands.

Goodyera pubescens (Willdenow) R. Brown - **Downy Rattlesnake-plantain**. 2n = 26.
Dry to moist woods.

Goodyera repens (Linnaeus) R. Brown - **Dwarf Rattlesnake-plantain**. 2n = 30, 32, (40).
Damp, mossy woods, especially under conifers. [*G. repens* var. *ophioides* Fernald]







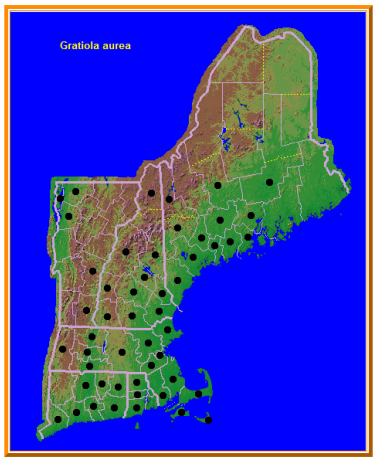
Goodyera tesselata Loddiges - . 2n = 59-61.
Rich woods, often pine. [sometimes considered a hybrid -- *G. oblongifolia* Rafinesque X *G. repens* (Linnaeus) R. Brown]

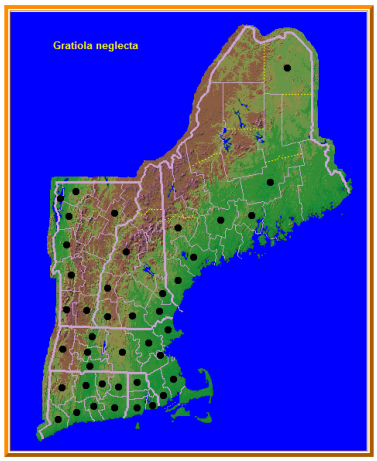
GOSSYPIUM (Family: Malvaceae)

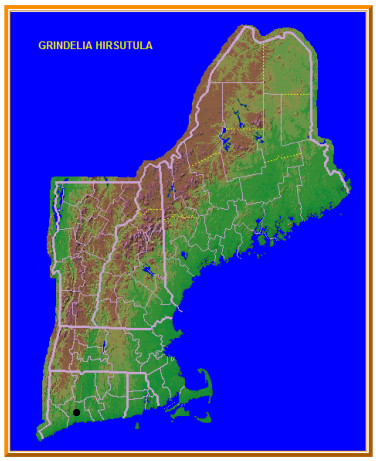
GOSSYPIUM HIRSUTUM Linnaeus - **Upland Cotton**. 2n = (26), (39), 52.
Waste places. From Mexico, Central America. [*G. HERBACEUM* misapplied]

GRAPHEPHORUM (Family: Poaceae)

Graphephorum melicoides (Michaux) Desvaux - **Purple False Oats**. 2n = 14.
Gravelly shores, river thickets. [*Trisetum melicoides* (Michaux) Vasey *ex* Scribner; *T. melicoides* var. *majus* (A. Gray) Hitchcock]







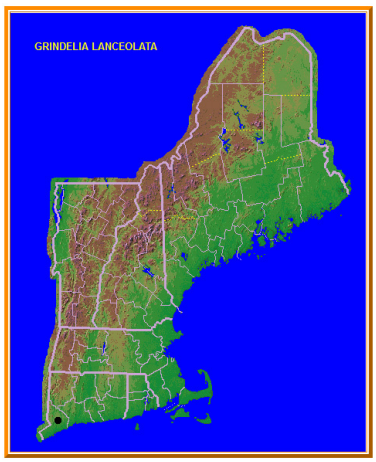
GRATIOLA (Family: Plantaginaceae)

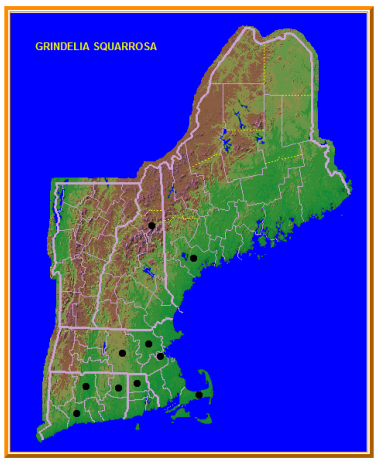
Gratiola aurea Muhlenberg - **Golden Hedge-Hyssop**. 2n = 28.
Muddy, sandy or gravelly shores, especially acid soil of ponds and lakes, occasionally river shores and meadows.

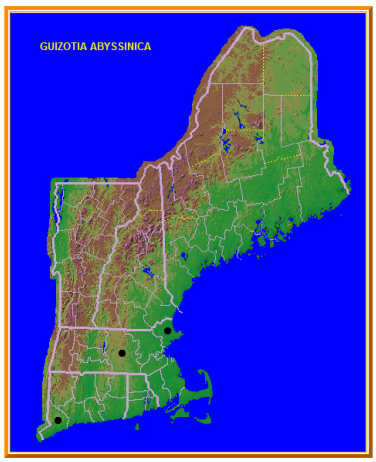
Gratiola neglecta Torrey - . 2n = 14, 16.
Muddy, sandy or gravelly shores, especially acid soil of ponds and lakes, occasionally river shores and meadows. [*G. virginiana* misapplied, old usage]

GRINDELIA (Family: Asteraceae)

GRINDELIA HIRSUTULA Hooker & Arnott - . 2n = 12, 24.
Waste places. From farther west. [*G. SQUARROSA* (Pursh) Dunal var. *QUASIPERENNIS* Lunell]





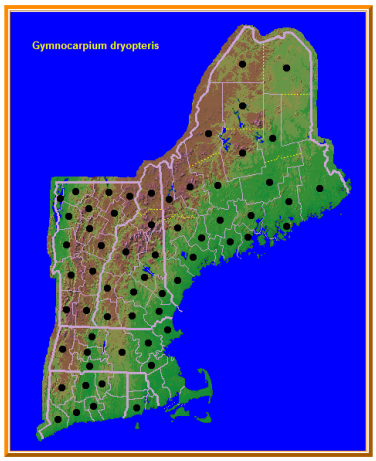


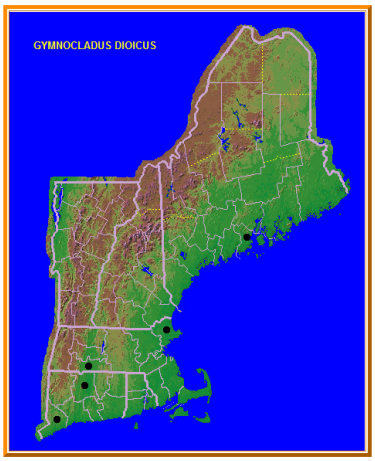
GRINDELIA LANCEOLATA Nuttall - . 2n = 12.
Roadsides. From farther south and west.

GRINDELIA SQUARROSA (Pursh) Dunal - . 2n = 12.
Waste places, roadsides. From farther west. [*G. SQUARROSA* var. *SERRULATA* (Rydberg) Steyermark]

GUIZOTIA (Family: Asteraceae)

GUIZOTIA ABYSSINICA (Linnaeus (son)) Cassini - **Niger Seed**. 2n = 30.
Waste places, roadsides. From tropical Africa.





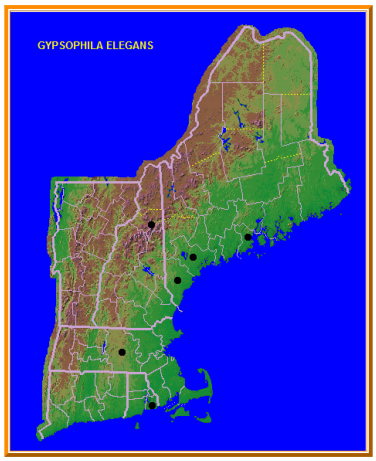
GYMNOCARPIUM (Family: Woodsiaceae)

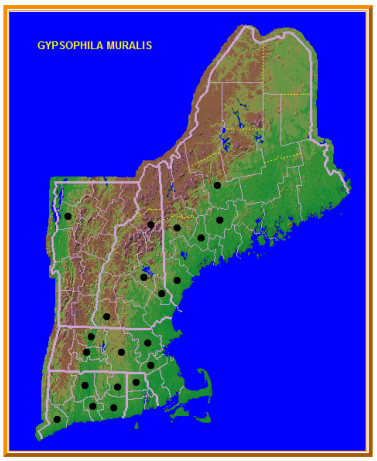
Gymnocarpium dryopteris (Linnaeus) Newman - **Oak Fern**. 2n = (80), 160.
Cool, moist, often rocky, woods and banks. [*Dryopteris disjuncta* misapplied]

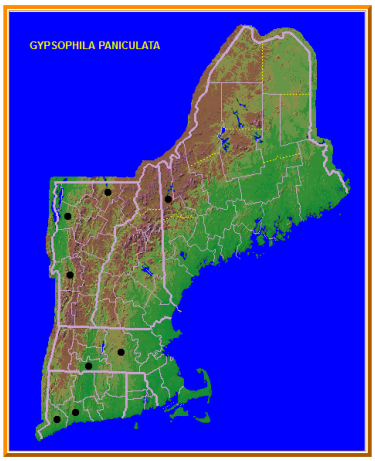
Gymnocarpium jessoense (Koidzumi) Koidzumi subsp. ***parvulum*** Sarvela - **Nahanni Oak Fern.** 2n = 160.
Acid or neutral substrates of cool talus slopes, cliffs and outcrops.

GYMNOCLADUS (Family: Fabaceae)

GYMNOCLADUS DIOICUS (Linnaeus) K. Koch - **Kentucky Coffeetree**. 2n = 28.
Waste places, woodland margins, dry hillsides. From farther west and south.





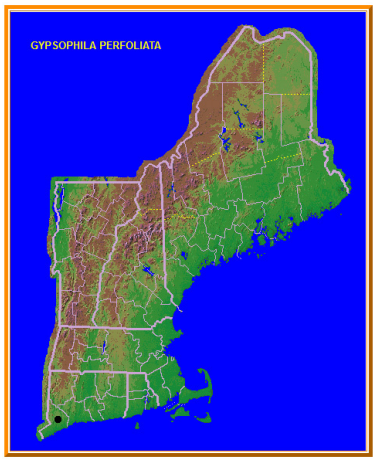


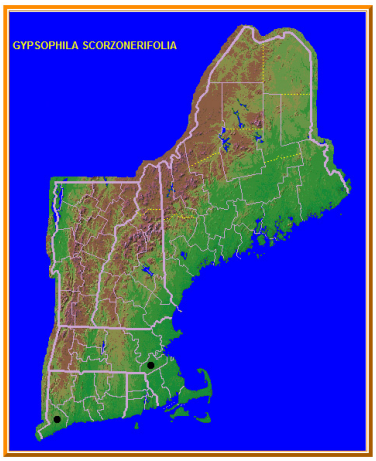
GYPSOPHILA (Family: Caryophyllaceae)

GYPSOPHILA ELEGANS M. Bieberstein - **Annual Baby's-breath**. 2n = (26), 34.
Waste places, roadsides. From Eurasia.

GYPSOPHILA MURALIS Linnaeus - **Low Baby's-breath**. 2n = (30), 34.
Waste places, roadsides, fields, cemeteries. From Europe.

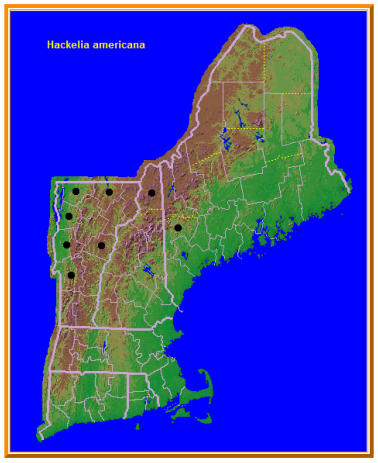
GYPSOPHILA PANICULATA Linnaeus - **Tall Baby's-breath**. 2n = (26), 34, (68).
Waste places, sandy roadsides, fields. From Eurasia.

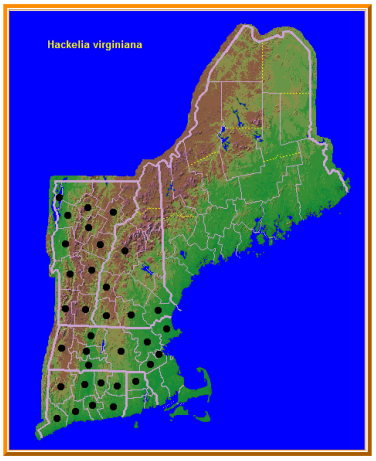


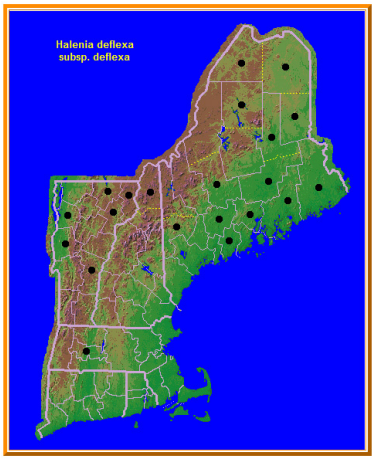


GYPSOPHILA PERFOLIATA Linnaeus - . 2n = ?
Sea beaches, roadsides. From Eurasia.

GYPSOPHILA SCORZONERIFOLIA Seringe - **Garden Baby's-breath**. 2n = 34, 68.
Beaches, roadsides, disturbed ground. From Europe.







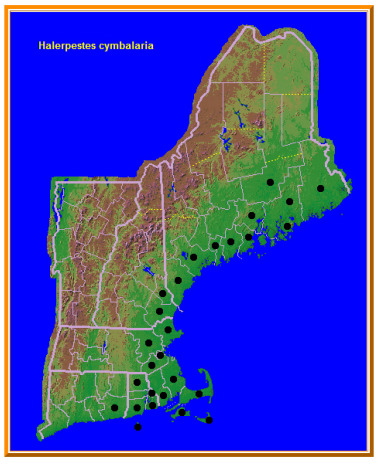
HACKELIA (Family: Boraginaceae)

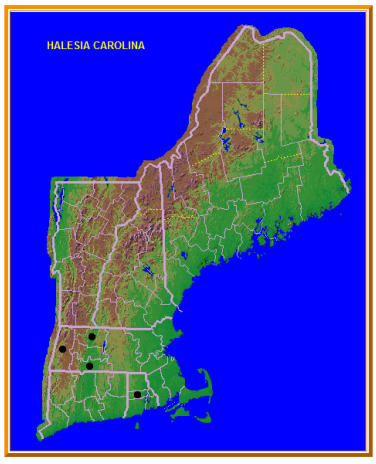
Hackelia americana (A. Gray) Fernald - . 2n = 24.
Calcareous rocky woodlands or talus, roadsides. [*H. deflexa* (Wahlenberg) Opiz var. *americana* (A. Gray) Fernald & I.M. Johnston]

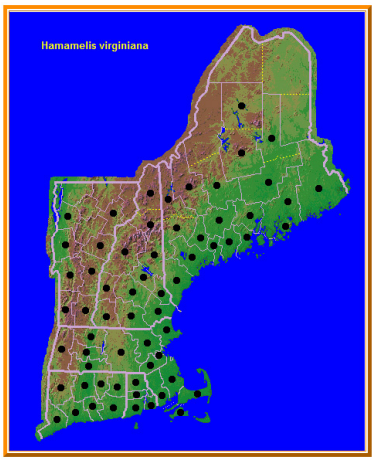
Hackelia virginiana (Linnaeus) I.M. Johnston - . 2n = 24.
Rich, open, deciduous woodlands and thickets, roadsides.

HALENIA (Family: Gentianaceae)

Halenia deflexa (Smith) Grisebach subsp. ***deflexa*** - **Spurred Gentian**. 2n = 22.
Moist banks, wet woods, fields, roadsides.







HALERPESTES (Family: Ranunculaceae)

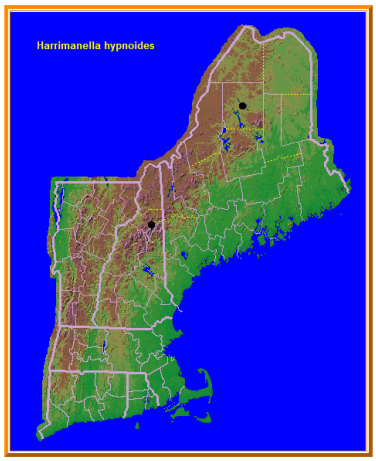
Halerpestes cymbalaria (Pursh) Greene - **Seaside Crowfoot**. 2n = 16.
Salt marshes, sea beaches. [*Ranunculus cymbalaria* Pursh]

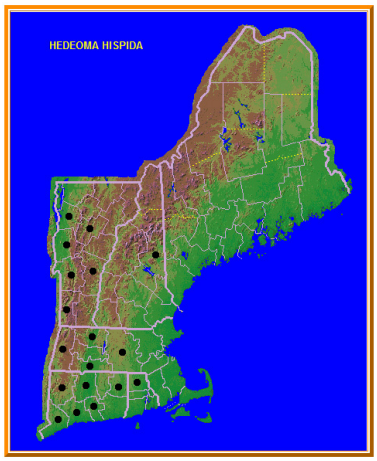
HALESIA (Family: Styracaceae)

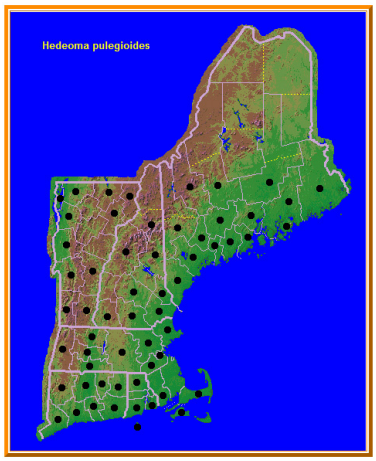
HALESIA CAROLINA Linnaeus - **Carolina Silverbell**. 2n = 24.
Moist, deciduous woods, roadsides. From farther south and west. [*H. tetraptera* J. Ellis]

HAMAMELIS (Family: Hamamelidaceae)

Hamamelis virginiana Linnaeus - **Witch-hazel**. 2n = 24.
Rich, moist woods, thickets. [*H. virginiana* var. *parvifolia* Nuttall]







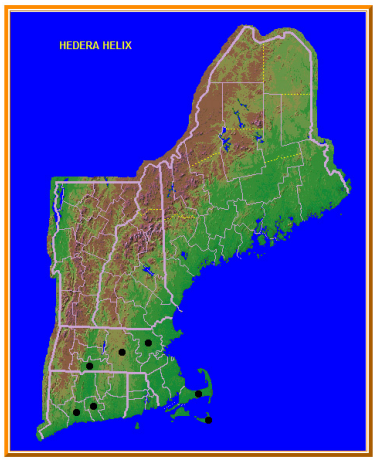
HARRIMANELLA (Family: Ericaceae)

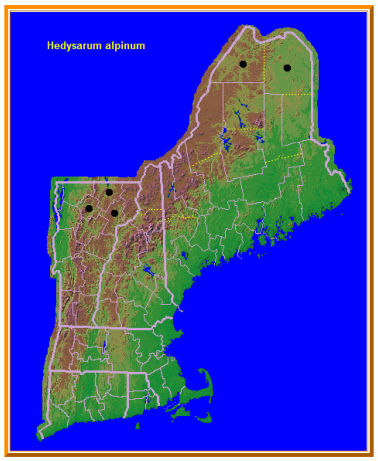
Harrimanella hypnoides (Linnaeus) Coville - **Moss-plant**. 2n = 32, 48.
Mossy alpine or subalpine areas. [*Cassiope hypnoides* (Linnaeus) D. Don]

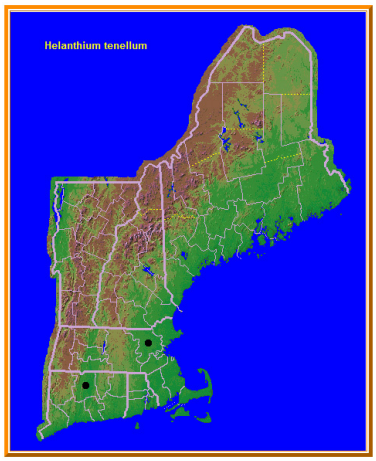
HEDEOMA (Family: Lamiaceae)

HEDEOMA HISPIDA Pursh - . 2n = 18, 38.
Dry fields, calcareous ledges, roadsides. From farther west and south.

Hedeoma pulegioides (Linnaeus) Persoon - **American False Pennyroyal**. 2n = 38.
Dry fields, ledges, roadsides.







HEDERA (Family: Araliaceae)

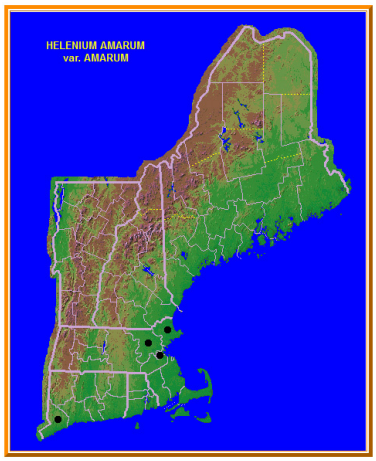
HEDERA HELIX Linnaeus - **English Ivy**. 2n = 48, (96).
Roadsides, disturbed woodlands. From Eurasia, northwestern Africa.

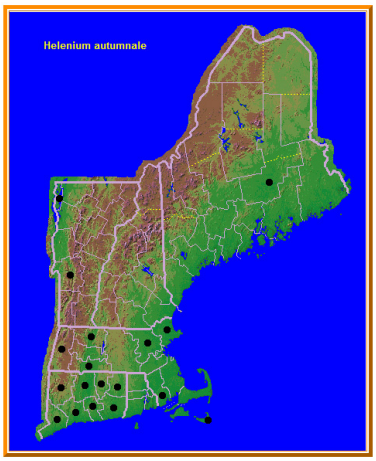
HEDYSARUM (Family: Fabaceae)

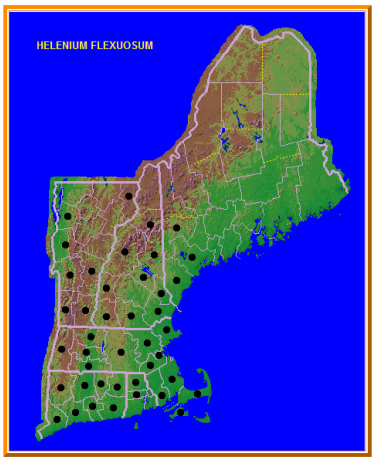
Hedysarum alpinum Linnaeus - . 2n = 14, (16).
Calcareous river-shores, ledges. [*H. alpinum* var. *americanum* Michaux *ex* Pursh]

HELANTHIUM (Family: Alismataceae)

Helanthium tenellum (Martius *ex* Schultes (son)) Britton - . 2n = 22, (33).
Sandy shores of streams and lakes. [*Echinodorus parvulus* Engelmann; *E. tenellus* (Martius *ex* Schultes (son)) Buchenau]





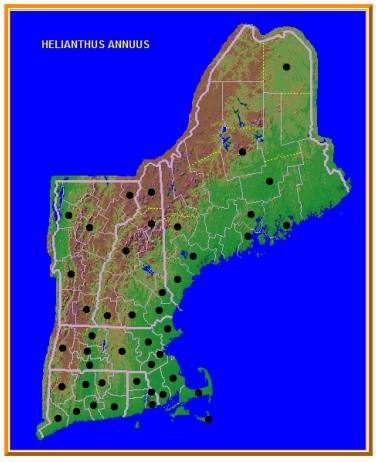


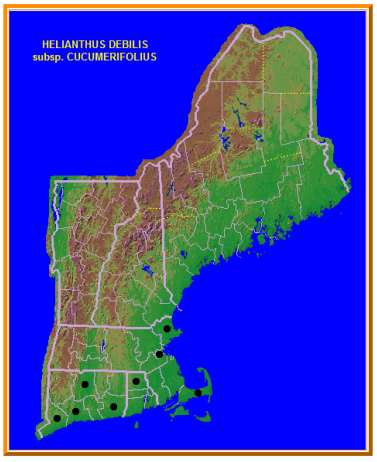
HELENIUM (Family: Asteraceae)

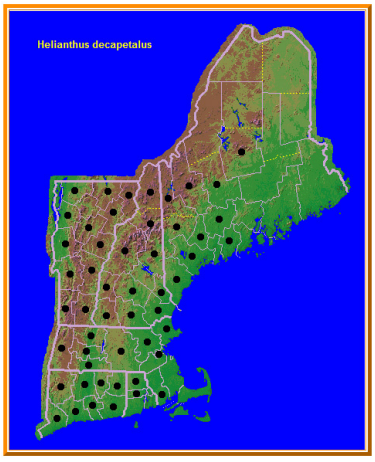
HELENIUM AMARUM (Rafinesque) H. Rock var. ***AMARUM*** - **Yellowdicks**. 2n = 30.
Waste places, railroads. From farther south. [*H. TENUIFOLIUM* Nuttall]

Helenium autumnale Linnaeus - **Common Sneezeweed**. 2n = (32), 34, (36).
Shores, meadows. [*H. autumnale* var. *canaliculatum* (Lamarck) Torrey & A. Gray; *H. autumnale* var. *parviflorum* (Nuttall) Fernald]

HELENIUM FLEXUOSUM Rafinesque - **Purplehead Sneezeweed**. 2n = 28.
Meadows, shores, fields. From farther south. [*H. NUDIFLORUM* Nuttall]





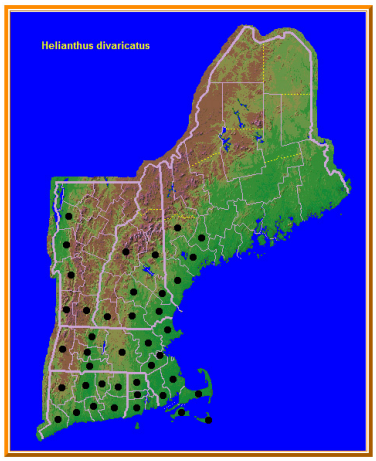


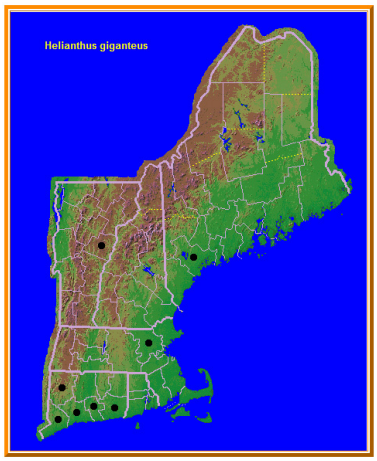
HELIANTHUS (Family: Asteraceae)

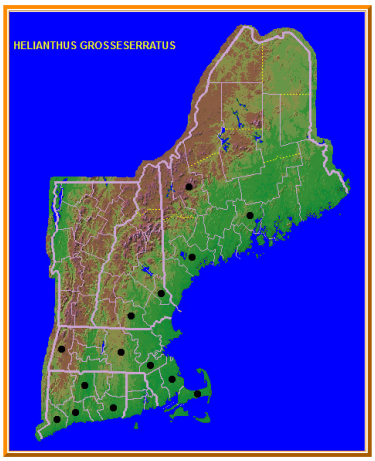
HELIANTHUS ANNUUS Linnaeus - **Common Sunflower**. 2n = 34, (68).
Waste places, roadsides. From farther west.

HELIANTHUS DEBILIS Nuttall subsp. ***CUCUMERIFOLIUS*** (Torrey & A. Gray) Heiser - . 2n = 34.
Waste places, fields. From farther south.

Helianthus decapetalus Linnaeus - . 2n = 34, 68, (102).
Open woods, thickets, often moist soil near streams, roadsides. [*H. trachelifolius* Miller]



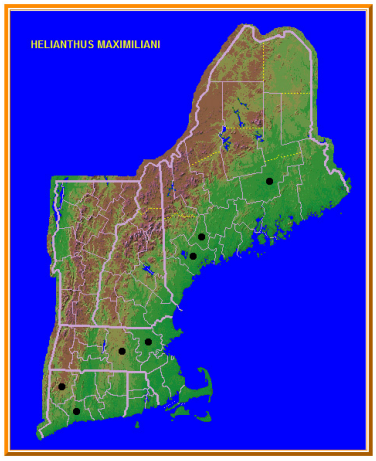


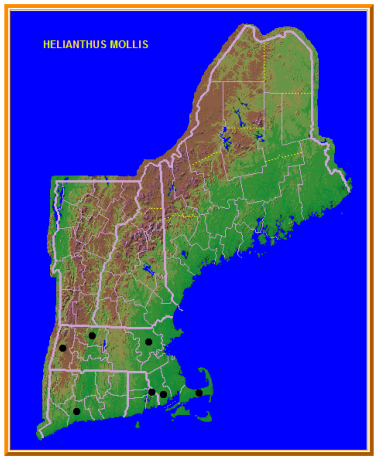


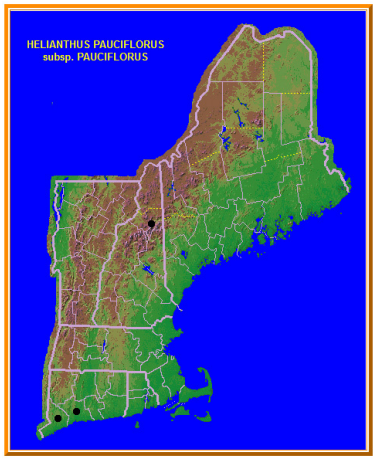
Helianthus divaricatus Linnaeus - **Woodland Sunflower**. 2n = 34.
Dry, thickets, woods, and openings, roadsides. [*H. divaricatus* var. *angustifolius* Kuntze]

Helianthus giganteus Linnaeus - . 2n = 34.
Dry fields, salt marsh borders, usually wet, open sites.

HELIANTHUS GROSSESERRATUS M. Martens - . 2n = 34.
Roadsides, sandy fields, rich thickets. From farther west.



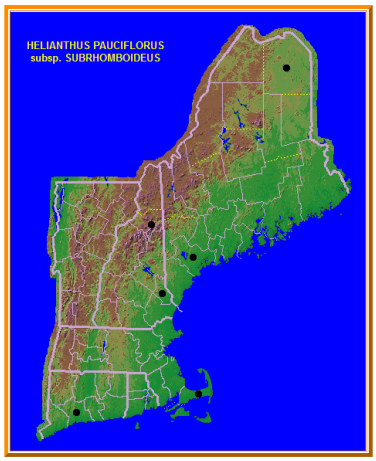


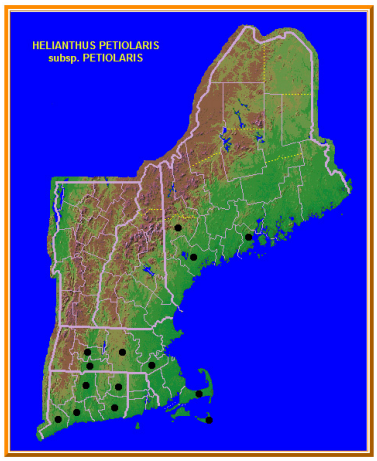


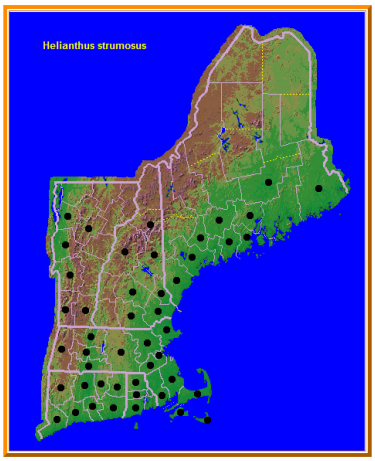
HELIANTHUS MAXIMILIANI Schrader - . 2n = 34.
Waste places, fields. From farther west. [*H. dalyi* Britton]

HELIANTHUS MOLLIS Lamarck - **Ashy Sunflower**. 2n = 30, 34.
Dry, sandy fields, roadsides, waste places. From farther south and west.

HELIANTHUS PAUCIFLORUS Nuttall subsp. ***PAUCIFLORUS*** - . 2n = (68), 102.
Dry, sandy fields, waste places. From farther west. [*H. LAETIFLORUS* Persoon var. *RIGIDUS* (Cassini) Fernald]



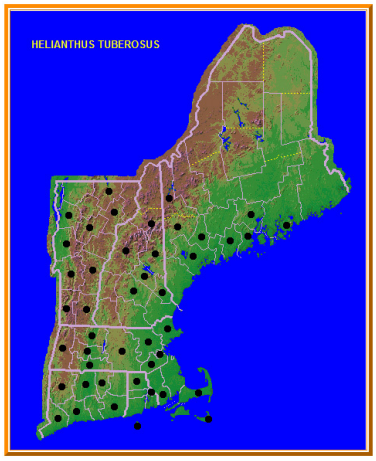


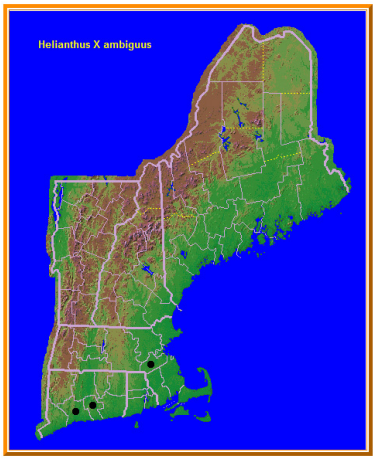


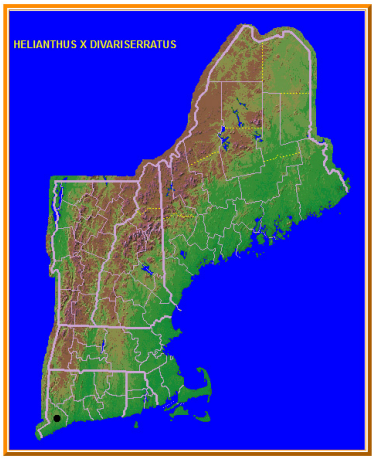
HELIANTHUS PAUCIFLORUS Nuttall subsp. ***SUBRHOMBOIDEUS*** (Rydberg) O. Spring & E.E. Schilling - . 2n = 102.
Roadsides, waste places. From farther west. [*H. LAETIFLORUS* Persoon var. *SUBRHOMBOIDEUS* (Rydberg) Fernald]

HELIANTHUS PETIOLARIS Nuttall subsp. ***PETIOLARIS*** - **Prairie Sunflower**. 2n = 34.
Dry roadsides, waste places. From farther west.

Helianthus strumosus Linnaeus - . 2n = 68.
Thickets, open woods, clearings, roadsides.





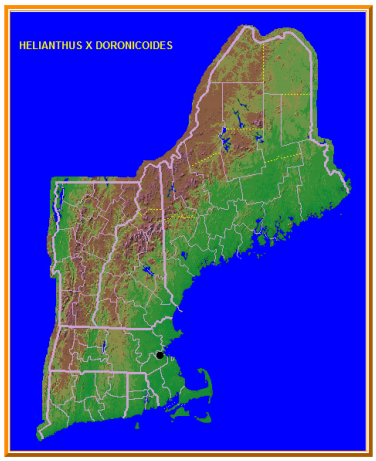


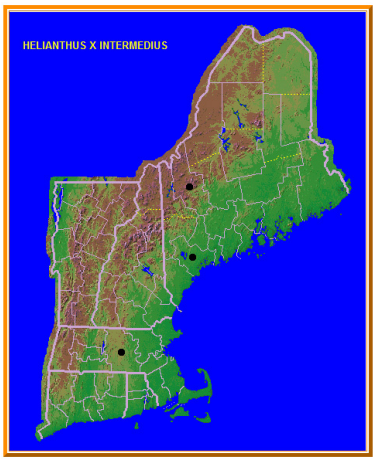
HELIANTHUS TUBEROSUS Linnaeus - **Jerusalem Artichoke**. 2n = 102.
Waste places, roadsides, fields. From farther west and south. [*H. TUBEROSUS* var. *SUBCANESCENS* A. Gray]

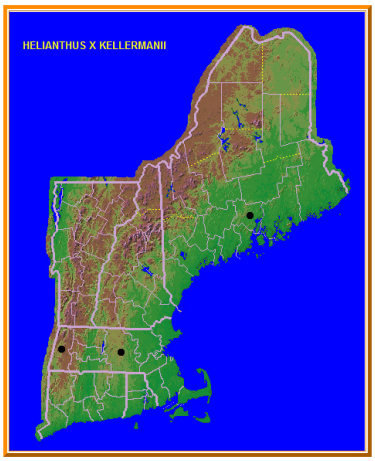
Helianthus hybrids

Helianthus X ***ambiguus*** (Torrey & A. Gray) Britton (*pro species*) - .
[*H. divaricatus* Linnaeus X *H. giganteus* Linnaeus]

HELIANTHUS X ***DIVARISERRATUS*** R.W. Long - .
[*H. divaricatus* Linnaeus X *H. GROSSESERRATUS* M. Martens]



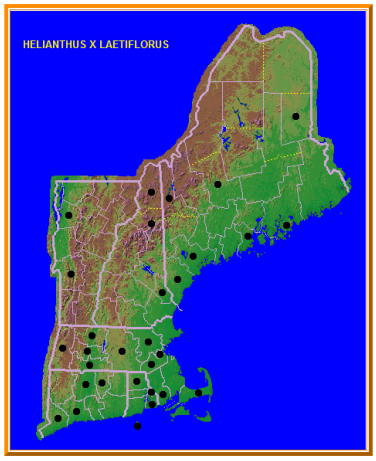


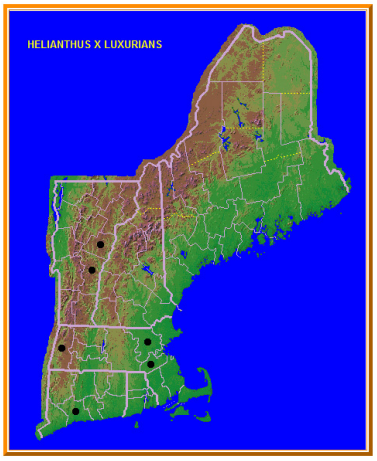


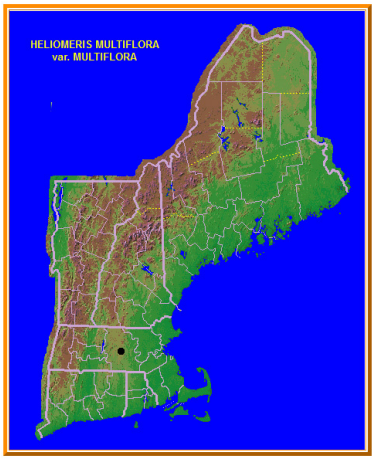
HELIANTHUS X ***DORONICOIDES*** Lamarck (*pro species*) - .
[*H. giganteus* Linnaeus X *H. MOLLIS* Lamarck]

HELIANTHUS X ***INTERMEDIUS*** R.W. Long - .
[*H. GROSSESERRATUS* M. Martens X *H. MAXIMILIANI* Schrader]

HELIANTHUS X ***KELLERMANII*** Britton (*pro species*) - .
[*H. GROSSESERRATUS* M. Martens X *H. SALICIFOLIUS* A. Dietrich]





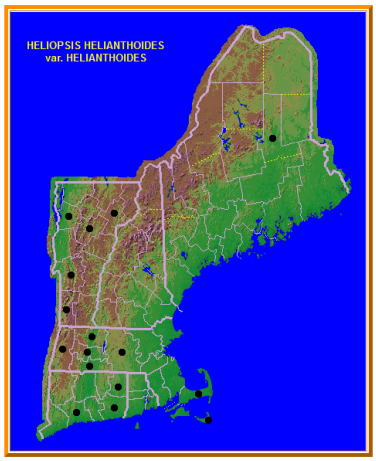


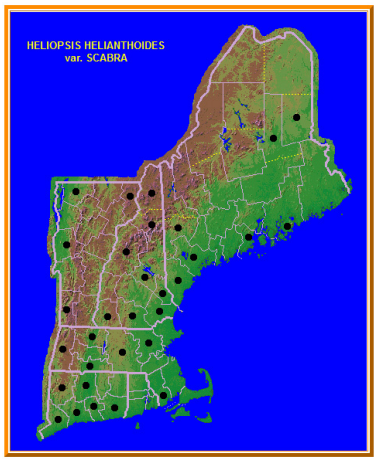
HELIANTHUS X ***LAETIFLORUS*** Persoon (*pro species*) - .
[*H. PAUCIFLORUS* Nuttall X *H. TUBEROSUS* Linnaeus]

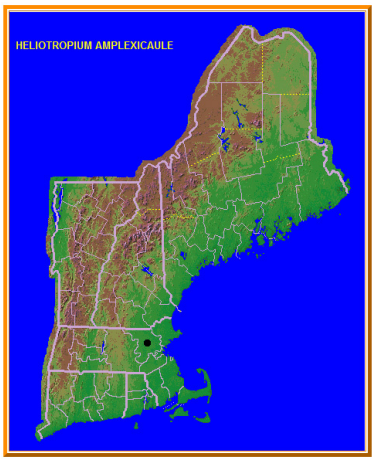
HELIANTHUS X ***LUXURIANS*** E. Watson (*pro species*) - .
[*H. giganteus* Linnaeus X *H. GROSSESERRATUS* M. Martens]

HELIOMERIS (Family: Asteraceae)

HELIOMERIS MULTIFLORA Nuttall var. ***MULTIFLORA*** - . 2n = 16.
Wool waste. From farther west.







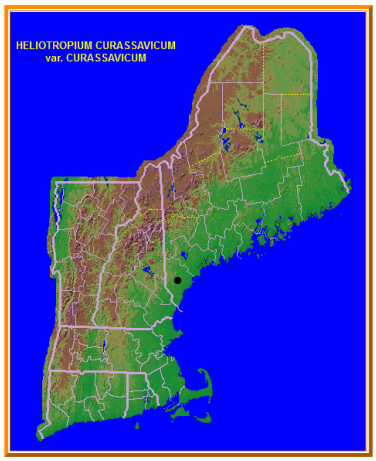
HELIOPSIS (Family: Asteraceae)

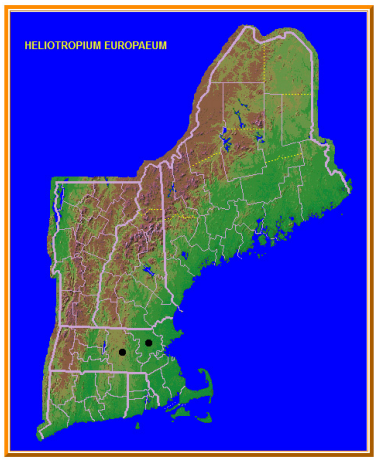
HELIOPSIS HELIANTHOIDES (Linnaeus) Sweet var. ***HELIANTHOIDES*** - **False Sunflower**. 2n = 28.
Fields, waste places, thickets. From farther west and south.

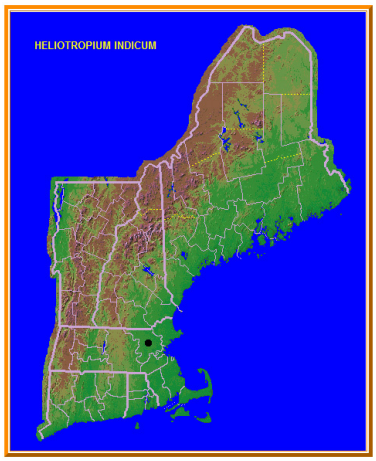
HELIOPSIS HELIANTHOIDES (Linnaeus) Sweet var. ***SCABRA*** (Dunal) Fernald - . 2n = 28.
Fields, waste places, thickets. From farther west.

HELIOTROPIUM (Family: Heliotropiaceae)

HELIOTROPIUM AMPLEXICAULE Vahl - . 2n = 26, 28.
Waste places. From South America.



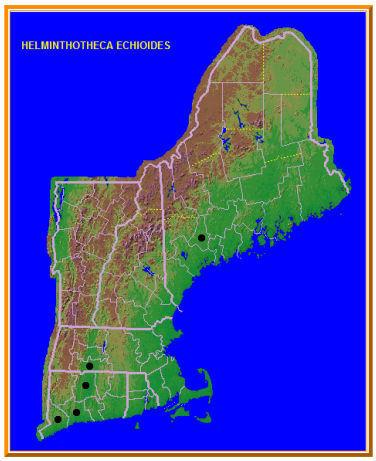


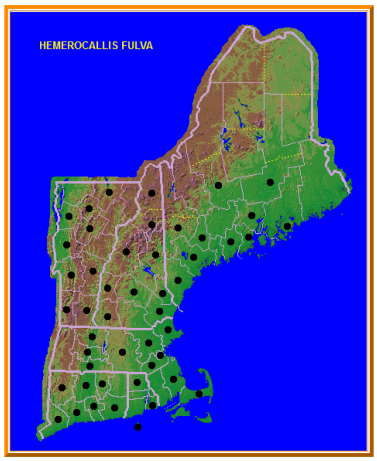


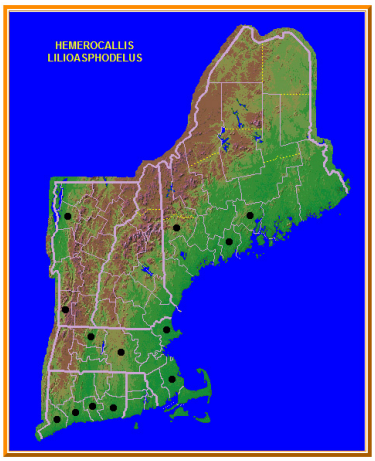
HELIOTROPIUM CURASSAVICUM Linnaeus var. ***CURASSAVICUM*** - **Seaside Heliotrope**. 2n = (24), 26, 28, 52.
Sandy, saline soil. From southeastern North America, Central and South America.

HELIOTROPIUM EUROPAEUM Linnaeus - **European Heliotrope**. 2n = (24), 32, 48.
Waste places, wool waste. From Eurasia, northern Africa, Australia.

HELIOTROPIUM INDICUM Linnaeus - **Turnsole**. 2n = 22, 24, (64).
Waste places. From South America.







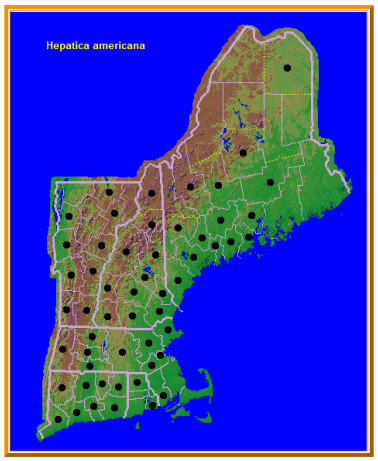
HELMINTHOTHECA (Family: Asteraceae)

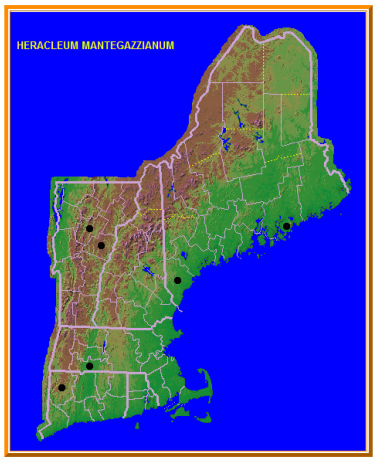
HELMINTHOTHECA ECHIOIDES (Linnaeus) Holub - **Oxtongue**. 2n = 10.
Fields, waste places, roadsides. From Eurasia, northern Africa. [*PICRIS ECHIOIDES* Linnaeus]

HEMEROCALLIS (Family: Xanthorrhoeaceae)

HEMEROCALLIS FULVA (Linnaeus) Linnaeus - **Orange Day-lily**. 2n = 22, 33, (36), (44).
Roadsides, waste places. From Asia.

HEMEROCALLIS LILIOASPHODELUS Linnaeus - **Yellow Day-lily**. 2n = 22.
Roadsides, waste places. From Asia. [*H. FLAVA* (Linnaeus) Linnaeus]





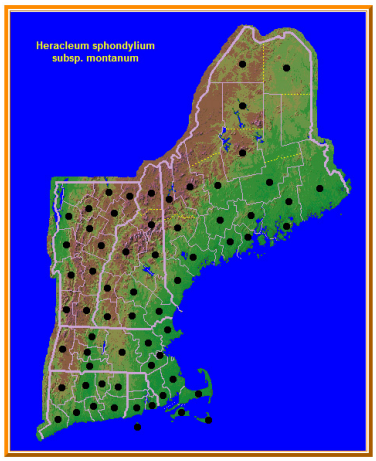
HEPATICA (Family: Ranunculaceae)

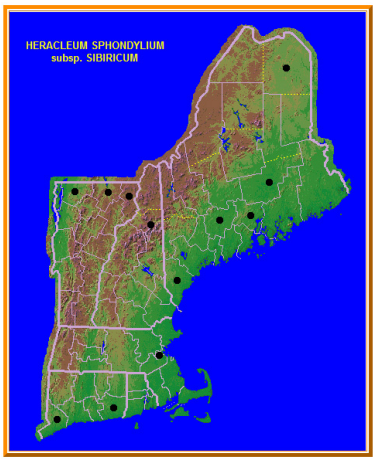
Hepatica acutiloba de Candolle - **Sharp-lobed Hepatica**. 2n = 14.
Rich, often calcareous, woods. [*H. nobilis* Miller var. *acuta* (Pursh) Steyermark; *Anemone acutiloba* (de Candolle) G. Lawson]

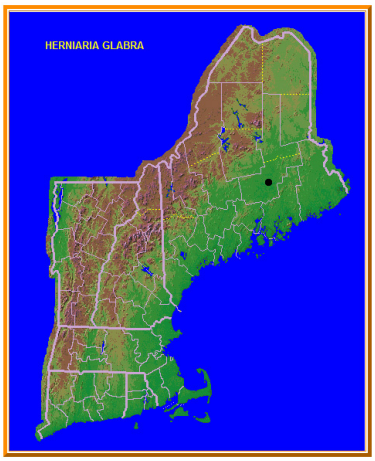
Hepatica americana (de Candolle) Ker Gawler - **Round-lobed Hepatica**. 2n = 14.
Rich, dry, open woods. [*H. nobilis* Miller var. *obtusa* (Pursh) Steyermark; *Anemone americana* (de Candolle) H. Hara]

HERACLEUM (Family: Apiaceae)

HERACLEUM MANTEGAZZIANUM Sommier & Levier - **Giant Hogweed**. 2n = 22.
Roadsides, woodland clearings, field and woodland margins. From the Caucasus region.





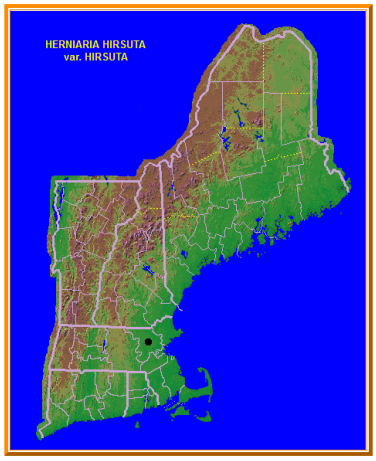


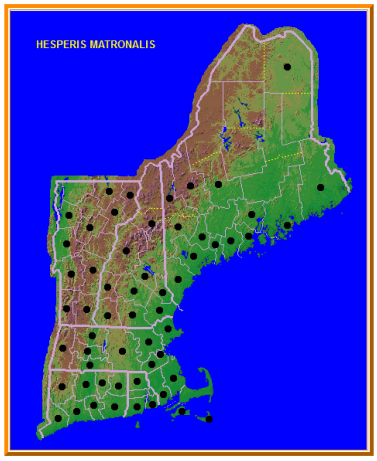
Heracleum sphondylium Linnaeus subsp. ***montanum*** (Schleicher *ex* Gaudin) Briquet - **Cow-parsnip**. 2n = 22.
Moist, rich ground. [*H. lanatum* Michaux; *H. maximum* W. Bartram]

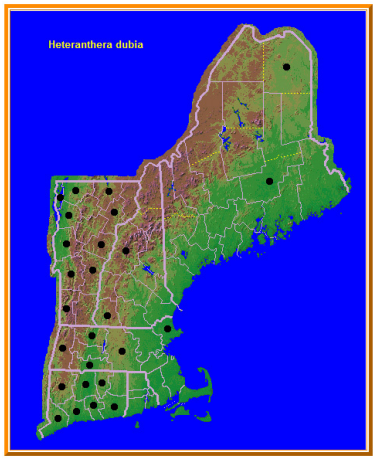
HERACLEUM SPHONDYLIUM Linnaeus subsp. ***SIBIRICUM*** (Linnaeus) Simonkai - **Hogweed**. 2n = 22.
Fields, roadsides, waste areas. From Eurasia. [*H. SPHONDYLIUM* var. *ANGUSTIFOLIUM* Jacquin]

HERNIARIA (Family: Caryophyllaceae)

HERNIARIA GLABRA Linnaeus - **Green-carpet**. 2n = 18, (36).
Roadsides, waste places. From Eurasia.







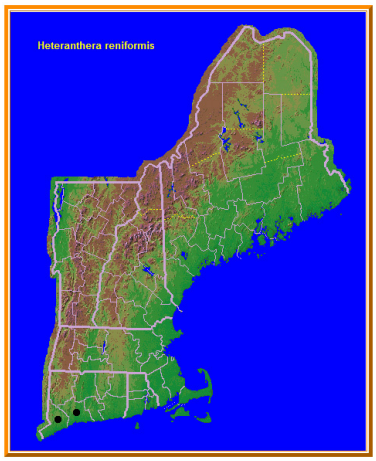
HERNIARIA HIRSUTA Linnaeus var. ***HIRSUTA*** - **Hairy Rupturewort**. 2n = (18), 36.
Roadsides, sandy flats. From Europe, southwestern Asia, northern Africa.

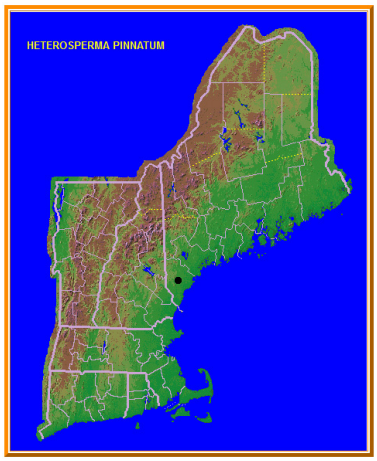
HESPERIS (Family: Brassicaceae)

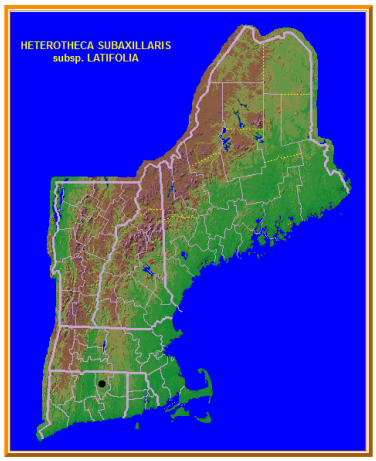
HESPERIS MATRONALIS Linnaeus - **Dame's-rocket**. 2n = 14, (16), 24, 28, (32).
Roadsides, waste places, thickets. From Eurasia, northern Africa.

HETERANTHERA (Family: Pontederiaceae)

Heteranthera dubia (Jacquin) MacMillan - **Water Stargrass**. 2n = 30.
Shallow, quiet, basic water. [*Zosterella dubia* (Jacquin) Small]







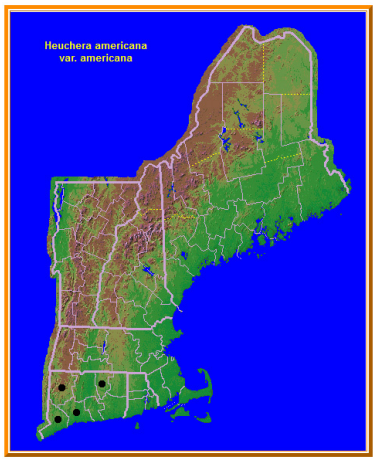
Heteranthera reniformis Ruiz & Pavón - . 2n = 24, 48.
Muddy river shores (in mud or floating in shallow water).

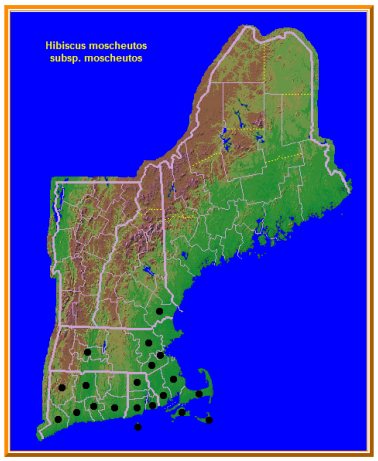
HETEROSPERMA (Family: Asteraceae)

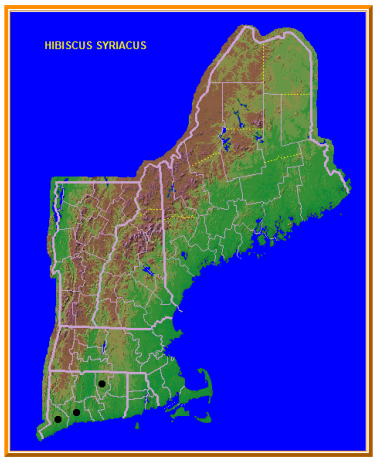
HETEROSPERMA PINNATUM Cavanilles - **Wingpetal**. 2n = 50.
Wool waste. From farther west.

HETEROTHECA (Family: Asteraceae)

HETEROTHECA SUBAXILLARIS (Lamarck) Britton & Rusby subsp. ***LATIFOLIA*** (Buckley) Semple - . 2n = 18.
Roadsides. From farther south.







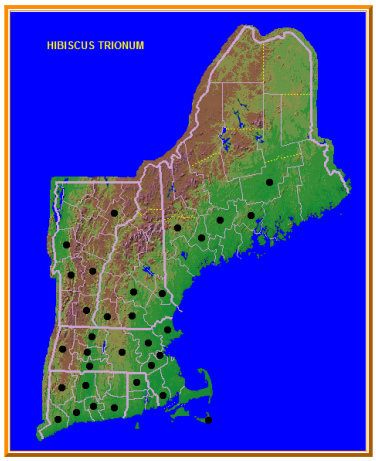
HEUCHERA (Family: Saxifragaceae)

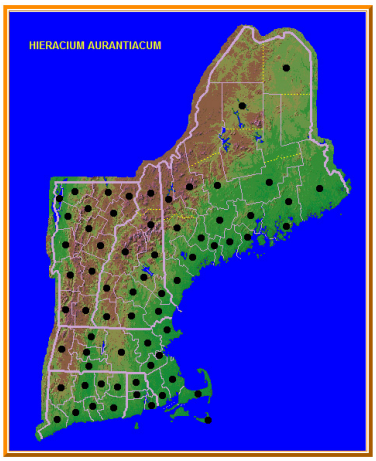
Heuchera americana Linnaeus var. ***americana*** - **Rock-geranium**. 2n = 14.
Rich, wet woods.

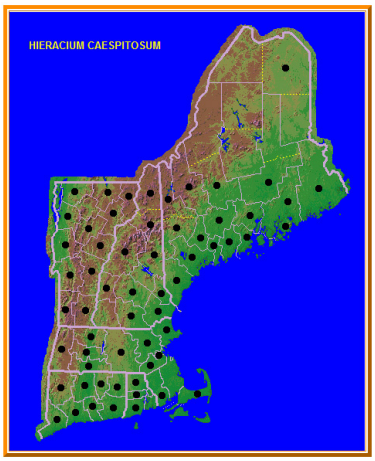
HIBISCUS (Family: Malvaceae)

Hibiscus moscheutos Linnaeus subsp. ***moscheutos*** - **Swamp Rose-mallow**. 2n = 38.
Marshy river borders, brackish, freshwater, and salt marshes. [*H. palustris* Linnaeus]

HIBISCUS SYRIACUS Linnaeus - **Rose-of-Sharon**. 2n = 40, 80, 88.
Woodland margins, roadsides, thickets. From China, Taiwan.





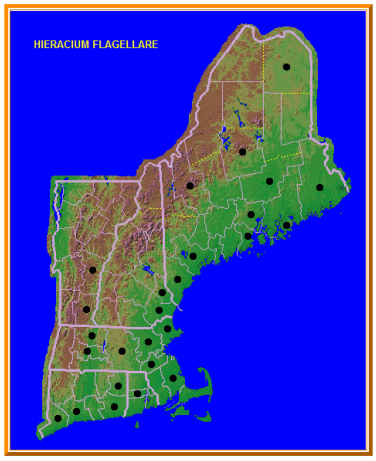


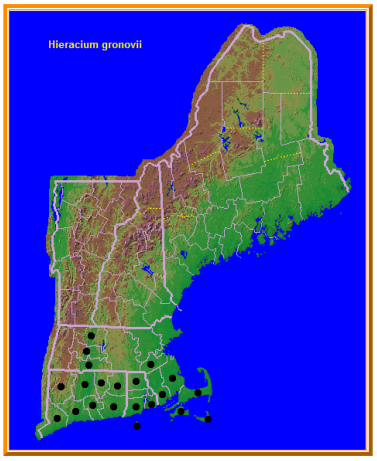
HIBISCUS TRIONUM Linnaeus - **Flower-of-an-hour**. 2n = (28), 56.
Railroads, roadsides, waste places. From Eurasia, Africa.

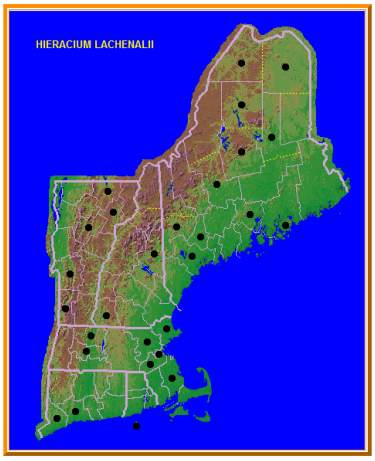
HIERACIUM (Family: Asteraceae)

HIERACIUM AURANTIACUM Linnaeus - **Devil's Paintbrush**. 2n = (30), 36, (45), (54), (63).
Fields, clearings, roadsides. From Europe.

HIERACIUM CAESPITOSUM Dumortier - **Yellow Fox-and-cubs**. 2n = 18, 36, 45, (72).
Fields, clearings, roadsides. From Europe. [*H. PRATENSE* Tausch]



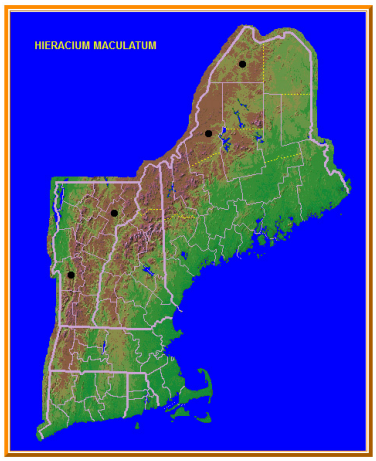


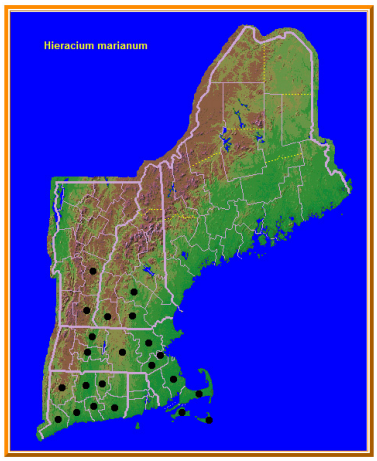


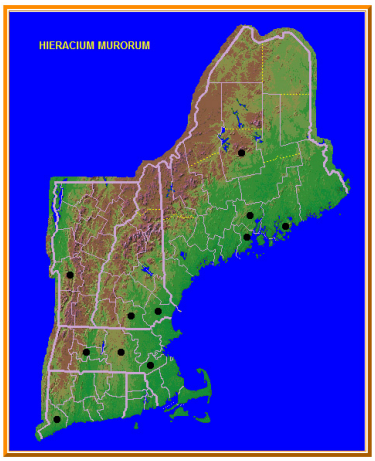
HIERACIUM FLAGELLARE Willdenow - . 2n = 45, 54.
Waste places, roadsides, fields. From Europe.

Hieracium gronovii Linnaeus - . 2n = 18.
Dry fields, open pine or pine-oak woods, dry openings, roadsides.

HIERACIUM LACHENALII Suter - **European Hawkweed**. 2n = 27, (36).
Roadsides, thickets, openings in woods. From Europe. [*H. VULGATUM* Fries]



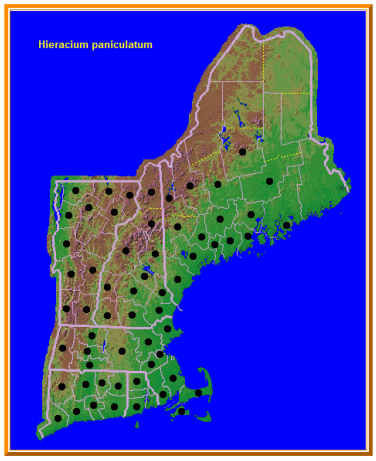


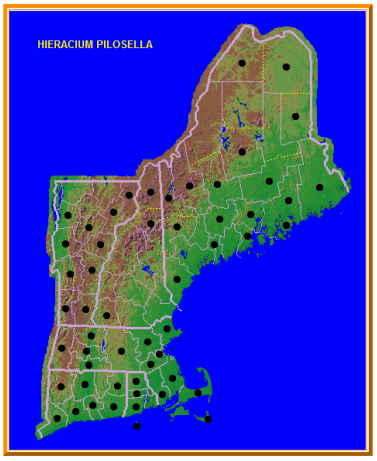


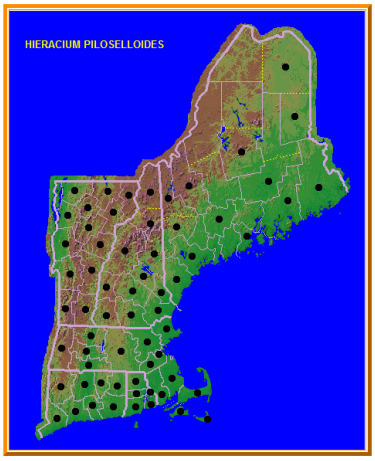
HIERACIUM MACULATUM Schrank - . 2n = 27.
Calcareous till. From Europe.

Hieracium marianum Willdenow - . 2n = ?
Dry woods and woodland margins, dry banks, roadsides. Note: This is thought by some to be a hybrid between *H. venosum* Linnaeus and *H. scabrum* Michaux or *H. gronovii* Linnaeus.

HIERACIUM MURORUM Linnaeus - **Golden Lungwort**. 2n = 27, (36).
Roadsides, fields, thickets, openings in woods. From Eurasia.



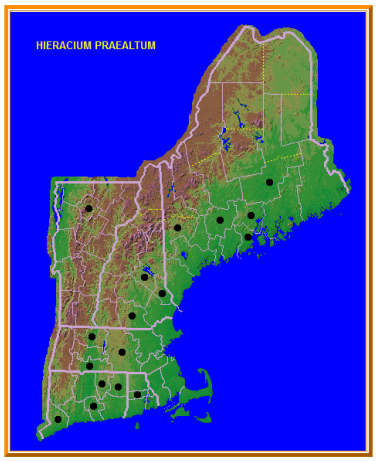


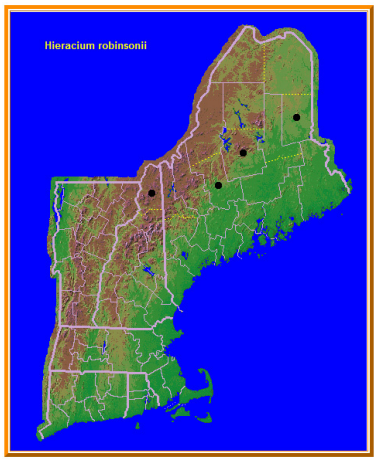


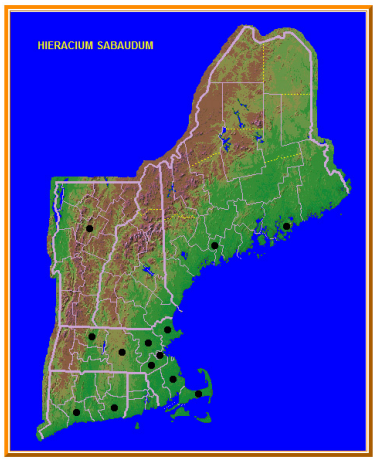
Hieracium paniculatum Linnaeus - **Allegheny Hawkweed**. 2n = 18.
Dry, often rocky, open woods, roadsides.

HIERACIUM PILOSELLA Linnaeus - **Mouse-ear Hawkweed**. 2n = (18), 36, 45, 54, 63, (72), (81), (90).
Dry, open soil, fields, roadsides. From Eurasia. [*H. PILOSELLA* var. *NIVEUM* Müller Argoviensis]

HIERACIUM PILOSELLOIDES Villars - **Glaucous King Devil**. 2n = 18, 27, 36, 45, 54.
Fields, roadsides, clearings. From Eurasia. [*H. FLORENTINUM* Allioni]



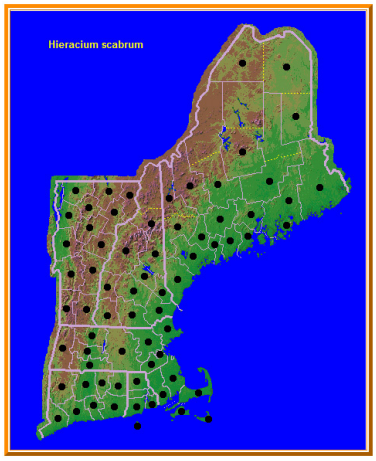


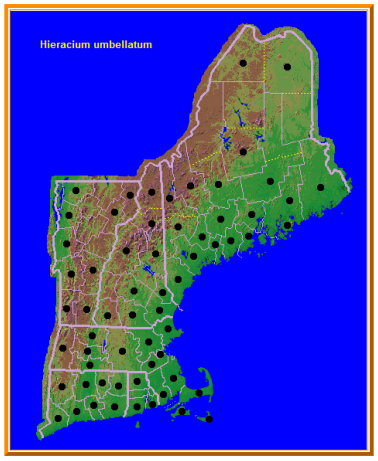


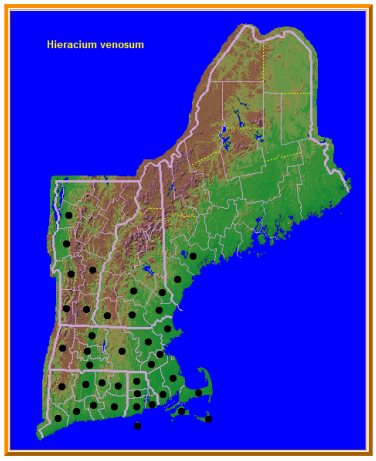
HIERACIUM PRAEALTUM Villars *ex* Gochnat - . 2n = 45.
Fields, meadows, roadsides. From Europe. [*H. PRAEALTUM* var. *DECIPIENS* W.D.J. Koch]

Hieracium robinsonii (Zahn) Fernald - . 2n = 27.
Ledge crevices, rocky shores.

HIERACIUM SABAUDUM Linnaeus - . 2n = 18, 27, (36).
Roadsides, waste places, fields. From Eurasia.



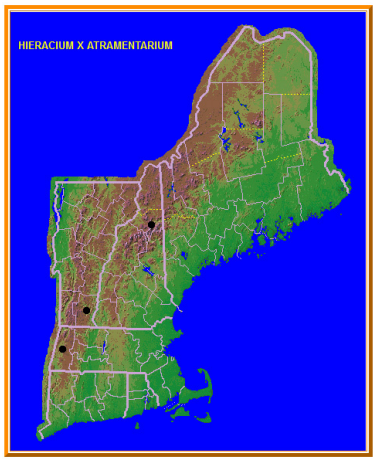


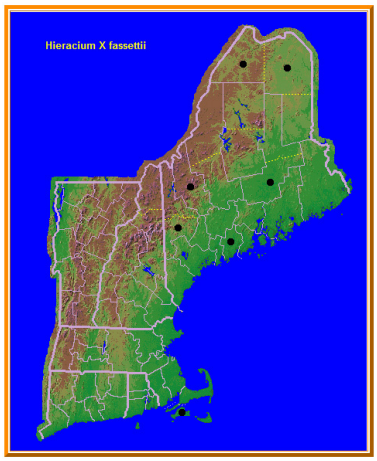


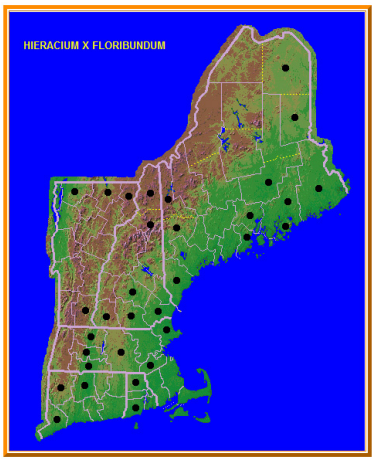
Hieracium scabrum Michaux - **Sticky Hawkweed**. 2n = 18.
Dry, open woods, fields, clearings, roadsides. [*H. scabrum* var. *tonsum* Fernald & H. St. John]

Hieracium umbellatum Linnaeus - **Northern Hawkweed**. 2n = 18, 27.
Dry, open woods, fields, woods margins, shores, thickets, clearings, roadsides. [*H. canadense* Michaux var. *canadense*; *H. canadense* var. *fasciculatum* (Pursh) Fernald; *H. canadense* var. *hirtirameum* Fernald; *H. kalmii* Linnaeus]

Hieracium venosum Linnaeus - **Rattlesnake-weed**. 2n = 18.
Dry, open, sandy woods, fields, clearings. [*H. venosum* var. *nudicaule* (Michaux) Farwell]





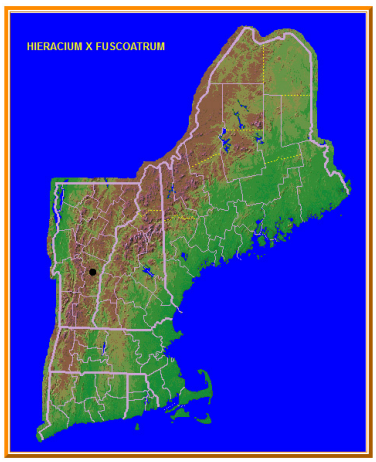


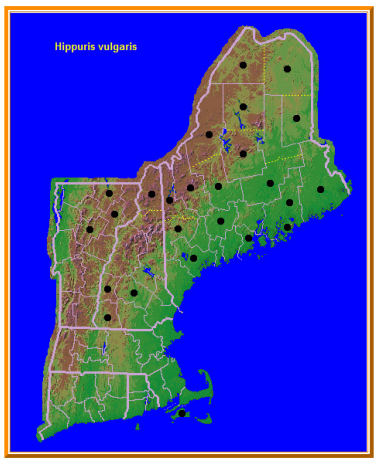
***Hieracium* hybrids**

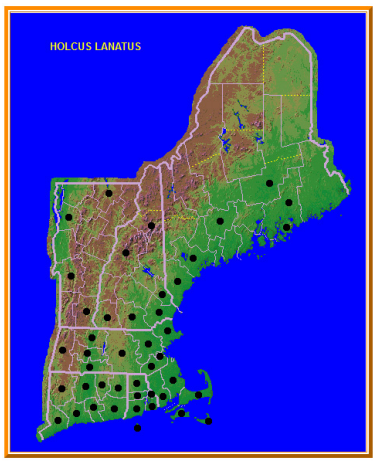
HIERACIUM X ***ATRAMENTARIUM*** (Nägeli & Peter) Zahn (*pro species*) - .
[*H. AURANTIACUM* Linnaeus X *H. PILOSELLOIDES* Villars]

Hieracium X ***fassettii*** Lepage - .
[*H.* X *fernaldii* Lepage; *H. scabrum* Michaux X *H. umbellatum* Linnaeus]

HIERACIUM X ***FLORIBUNDUM*** Wimmer & Grabowski (*pro species*) - .
[*H. CAESPITOSUM* Dumortier X *H. LACTUCELLA* Wallroth]







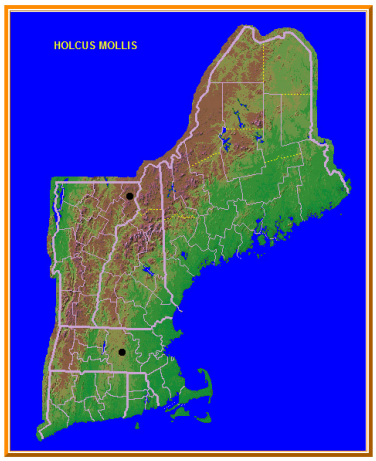
HIERACIUM X ***FUSCOATRUM*** Nägeli & Peter - .
[*H. AURANTIACUM* Linnaeus X *H. CAESPITOSUM* Dumortier]

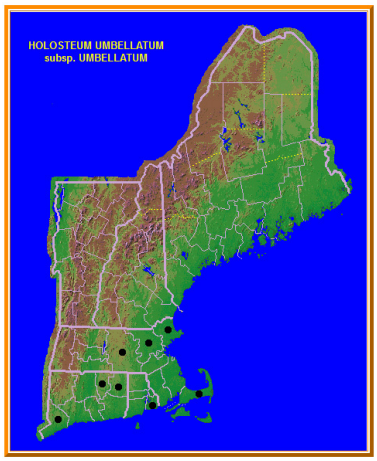
HIPPURIS (Family: Plantaginaceae)

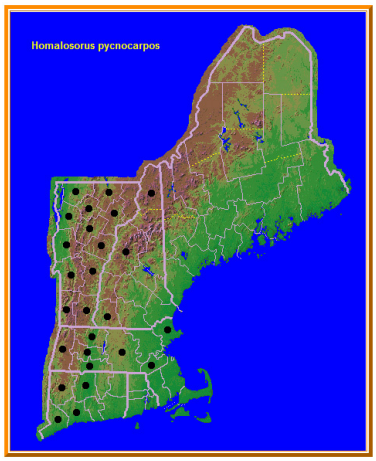
Hippuris vulgaris Linnaeus - **Mare's-tail**. 2n = 32.
Shallow, quiet waters of rivers, freshwater pools, ponds and lakes.

HOLCUS (Family: Poaceae)

HOLCUS LANATUS Linnaeus - **Velvet Grass**. 2n = 14 + (0-2)B, (28).
Meadows, roadsides, sterile fields. From Europe.







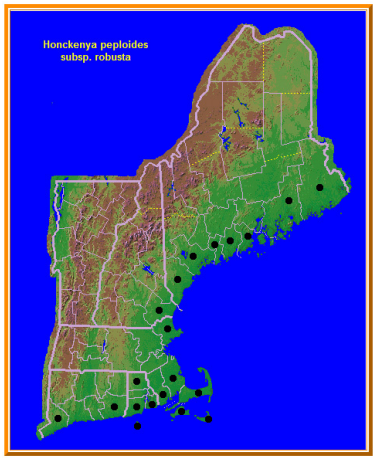
HOLCUS MOLLIS Linnaeus - . 2n = 14, 21, 28, 35, 42, (49).
Waste land. From Europe.

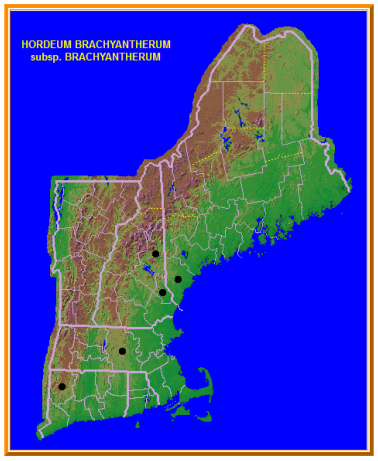
HOLOSTEUM (Family: Caryophyllaceae)

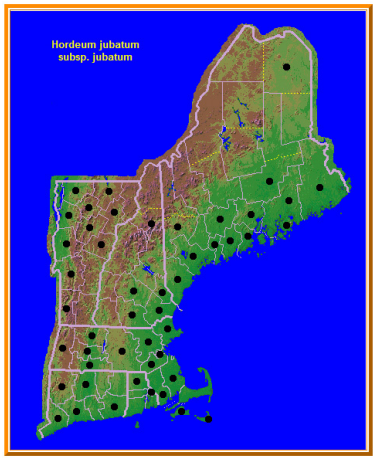
HOLOSTEUM UMBELLATUM Linnaeus subsp. ***UMBELLATUM*** - **Jagged Chickweed**. 2n = 20, (40).
Fields, roadsides, waste places. From Mediterranean region, southwestern Asia.

HOMALOSORUS (Family: Woodsiaceae)

Homalosorus pycnocarpos (Sprengel) Pichi Sermolli - **Narrow-leaved Spleenwort**. 2n = 80.
Moist, mostly calcareous, wooded slopes, ravines, and bottoms. [*Athyrium pycnocarpon* (Sprengel) Tidestrom; *Diplazium pycnocarpon* (Sprengel) M. Broun]







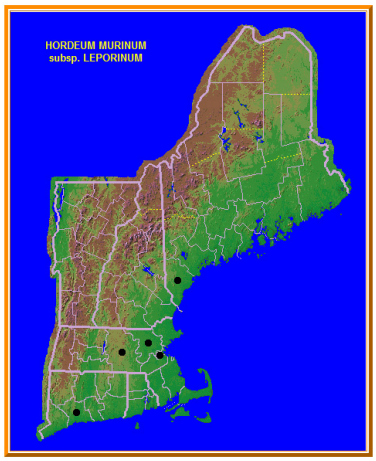
HONCKENYA (Family: Caryophyllaceae)

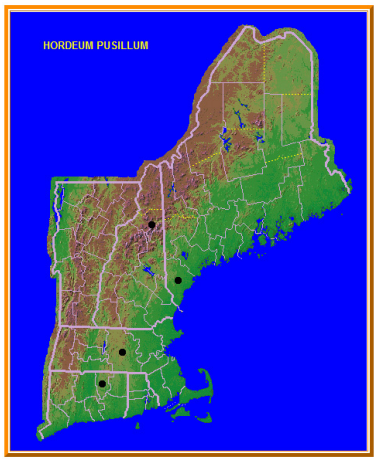
Honckenya peploides (Linnaeus) Ehrhart subsp. ***robusta*** (Fernald) Hultén - **Seabeach Sandwort**. 2n = ?
Sea beaches, dunes above high tide. [*Arenaria peploides* Linnaeus var. *robusta* Fernald]

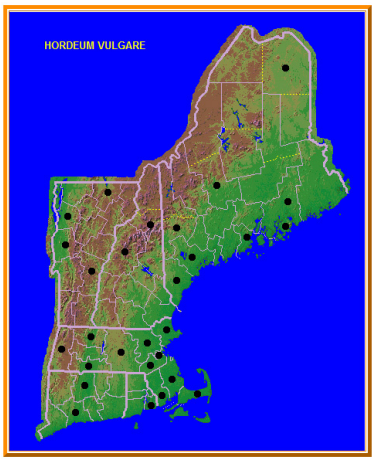
HORDEUM (Family: Poaceae)

HORDEUM BRACHYANTHERUM Nevski subsp. ***BRACHYANTHERUM*** - . 2n = 21, 28, 42.
Wool waste. From farther west.

Hordeum jubatum Linnaeus subsp. ***jubatum*** - **Squirrel-tail Grass**. 2n = (14), 28, (56).
Roadsides, railroads, salt marshes, beaches.



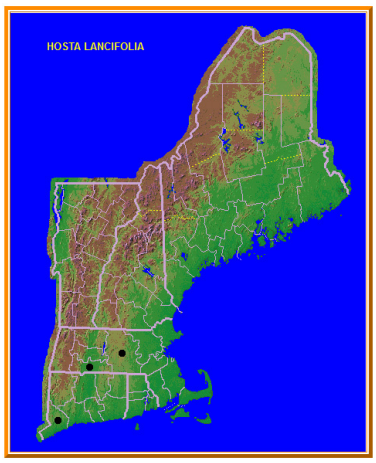


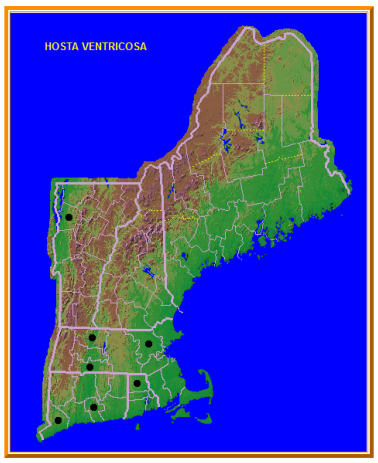


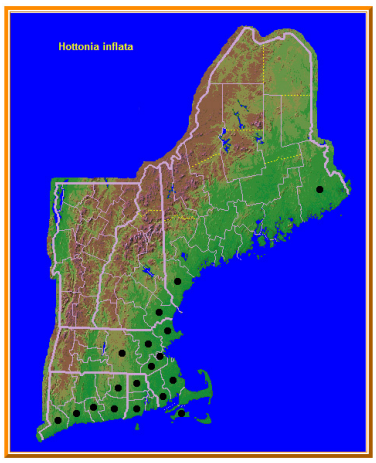
HORDEUM MURINUM Linnaeus subsp. ***LEPORINUM*** (Link) Arcangeli - . 2n = (14), 28, 42.
Moist waste places. From Europe. [*H. LEPORINUM* Link]

HORDEUM PUSILLUM Nuttall - **Little Barley**. 2n = 14, (28).
Roadsides, marsh borders. From farther south.

HORDEUM VULGARE Linnaeus - **Barley**. 2n = 14, (28), (70).
Waste areas, roadsides. From Europe. [*H. VULGARE* var. *TRIFURCATUM* (Schlechtendal) Alefeld]







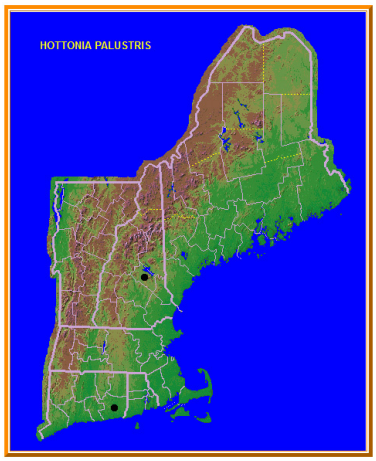
HOSTA (Family: Asparagaceae)

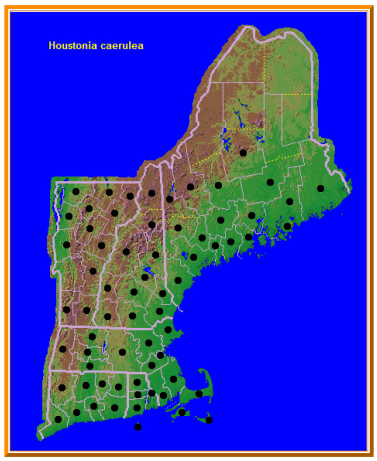
HOSTA LANCIFOLIA Trattinnick - . 2n = 60.
Thickets, roadsides, waste places. From eastern Asia. [*H. JAPONICA* (Thunberg) Voss]

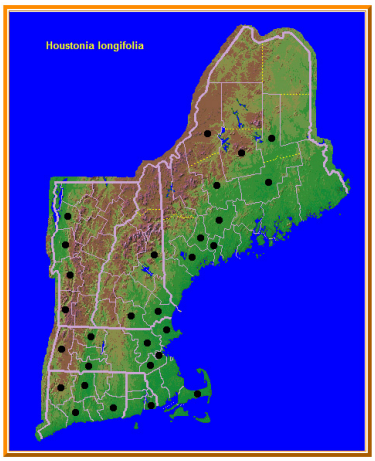
HOSTA VENTRICOSA (Salisbury) Stearn - **Blue Plantain-lily**. 2n = 60, 120.
Rich woods along streams, moist banks. From eastern Asia.

HOTTONIA (Family: Primulaceae)

Hottonia inflata Elliott - **American Featherfoil**. 2n = 20, 22.
Muddy ponds, pools, swamps, backwaters of streams.





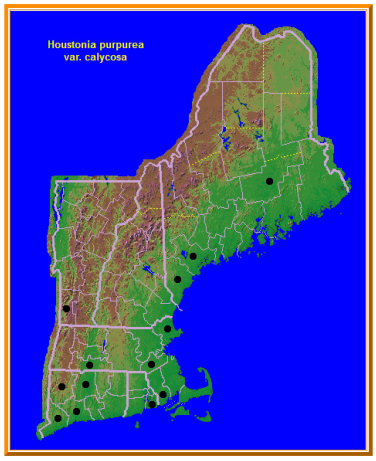


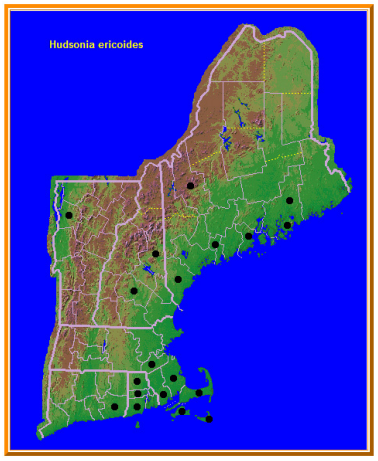
HOTTONIA PALUSTRIS Linnaeus - **Water Violet**. 2n = 20.
Muddy ponds, pools. From Eurasia.

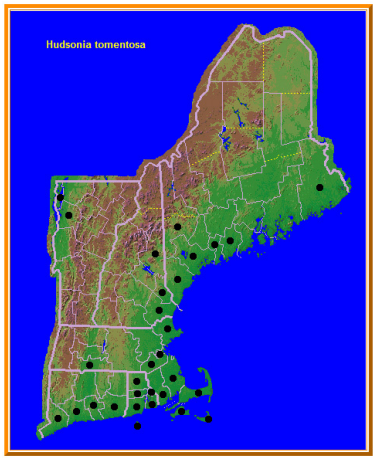
HOUSTONIA (Family: Rubiaceae)

Houstonia caerulea Linnaeus - **Bluets**. 2n = 16, 32, (36), 48.
Fields, usually moist, meadows, open woods, streambanks, swamps, roadsides. [*H. caerulea* var. *faxonorum* Pease & A.H. Moore; *Hedyotis caerulea* (Linnaeus) Hooker]

Houstonia longifolia Gaertner - . 2n = 12.
Dry, open woods, hillsides, rocky or gravelly soil. [*Hedyotis longifolia* (Gaertner) Hooker -- illegitimate name]





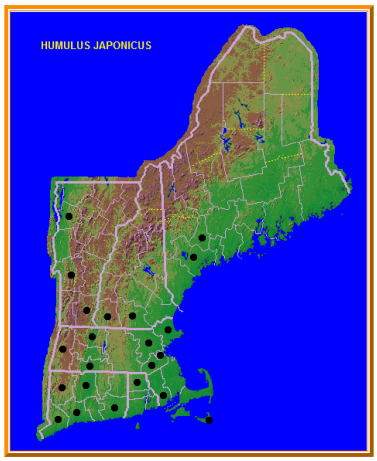


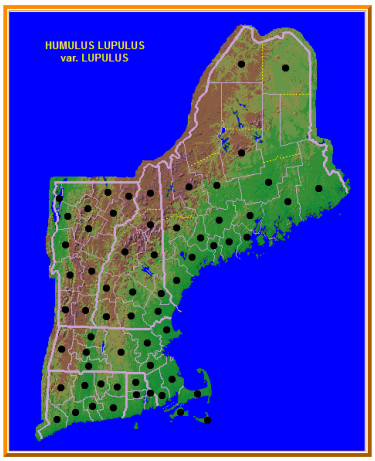
Houstonia purpurea Linnaeus var. ***calycosa*** A. Gray - . 2n = ?
Dry fields, open woods, slopes. [*H. lanceolata* (Poiret) Britton; *Hedyotis lanceolata* Poiret; *H. purpurea* (Linnaeus) Torrey & A. Gray var. *calycosa* (A. Gray) Fosberg]

HUDSONIA (Family: Cistaceae)

Hudsonia ericoides Linnaeus - **Golden-heather**. 2n = 20.
Sandy or rocky acidic, open soil, dunes, barrens, roadsides. [*H. tomentosa* Nuttall var. *intermedia* Peck]

Hudsonia tomentosa Nuttall - **Beach-heath**. 2n = 20.
Sandy, open soil, dunes, beaches, sandy shores.





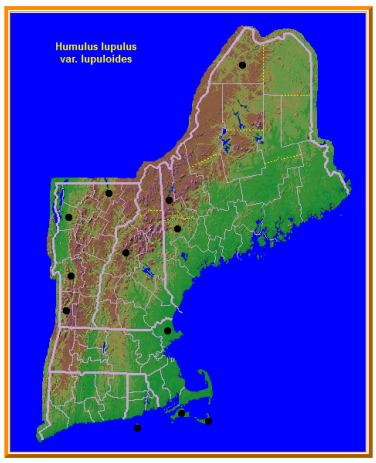
***Hudsonia* hybrid**

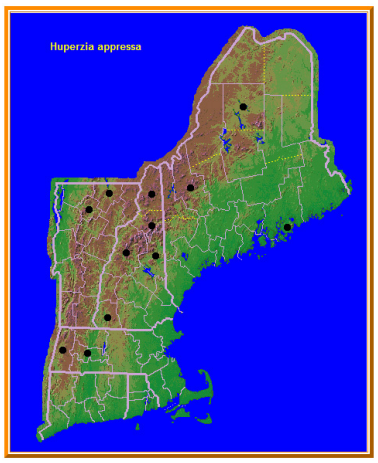
Hudsonia ericoides Linnaeus X ***H. tomentosa*** Nuttall - .

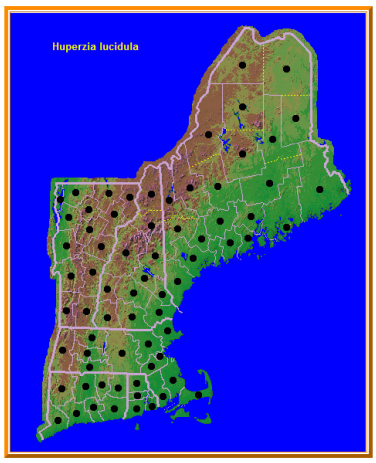
HUMULUS (Family: Cannabaceae)

HUMULUS JAPONICUS Siebold & Zuccarini - **Japanese Hop**. 2n = 16, 17, (18), (20).
Waste places, roadsides. From Asia.

HUMULUS LUPULUS Linnaeus var. ***LUPULUS*** - **Common Hop**. 2n = 20, (40).
Roadsides, waste places, fencerows. From Europe.





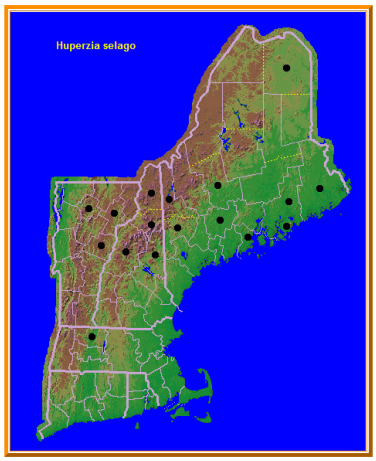


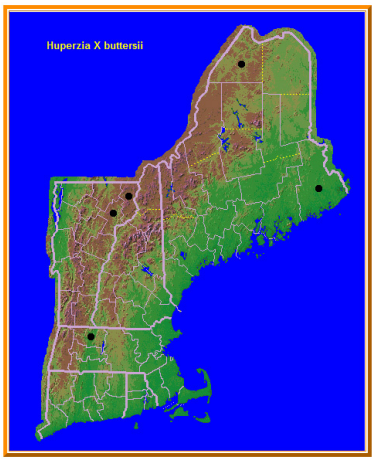
Humulus lupulus Linnaeus var. ***lupuloides*** E. Small - **Common Hop**. 2n = 20.
River thickets.

HUPERZIA (Family: Lycopodiaceae)

Huperzia appressa (Desvaux) Á. Löve & D. Lõve - . 2n = ca. 68.
Cliffs, talus slopes, damp, acidic rocks in alpine zones. [*Lycopodium selago* Linnaeus var. *appressum* Desvaux] Note: The name *Huperzia appressa* Á. Löve & D. Lõve is here accepted only tentatively since a proper study of the *Huperzia selago* complex reviewing morphological and genetic evidence from specimens worldwide (including types) has not been done. The true status of *Huperzia appressa* (Desvaux) Á. Löve & D. Lõve, *Huperzia appalachiana* Beitel & Mickel, *Huperzia selago* var. *densa* Trevisan and *Huperzia selago* subsp. *arctica* (Tolmatchew) Á. Löve & D. Lõve can only be determined by such a study. Specimens mapped here are those filed as *Huperzia appalachiana* in the herbaria of the New England Botanical Club and Harvard University. Flora Europaea includes var. *appressum* under *H. selago* subsp. *arctica*, while the Flora of NW Europe does not recognize *H. appressa*. A Chinese molecular study (Ji et. al., 2008) uses the name *Huperzia appressa*. Flora of North America (1993) accepts *Huperzia appalachiana* without mention of *appressa*/*appressum* at any rank.

Huperzia lucidula (Michaux) Trevisan - **Shining Clubmoss**. 2n = 134.
Cool, moist woods in rich and acid soils. [*Lycopodium lucidulum* Michaux]



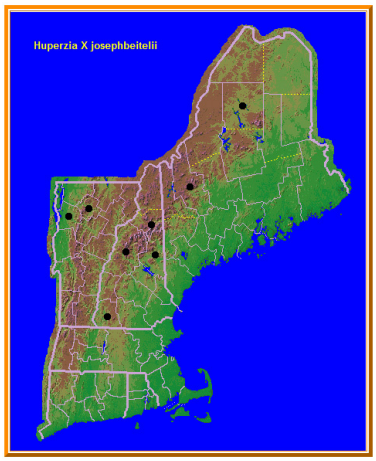


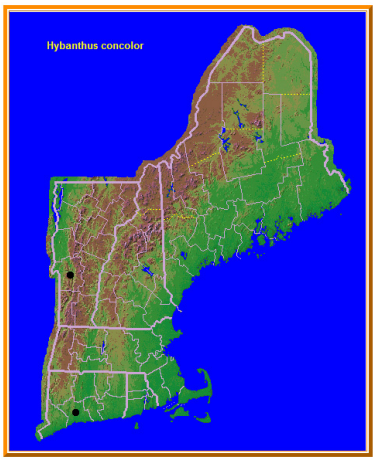
Huperzia selago (Linnaeus) Bernhardi *ex* Schrank & Martius - **Mountain Clubmoss**. 2n = 264, 268, 272.
Damp rocks, barrens, cold woods, in mountainous regions. [*Lycopodium selago* Linnaeus]

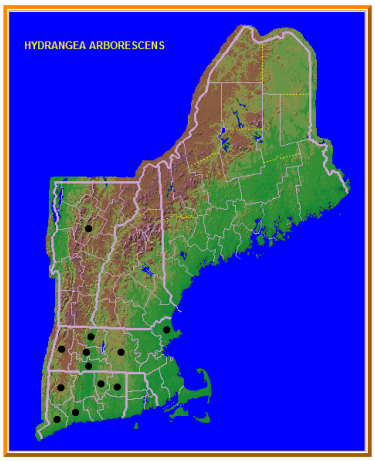
***Huperzia* hybrids**

Huperzia appressa (Desvaux) Á. Löve & D. Löve X ***H. lucidula*** (Michaux) Trevisan.

Huperzia X ***buttersii*** (Abbe) Kartesz & Gandhi.
[*H. lucidula* (Michaux) Trevisan X *H. selago* (Linnaeus) Bernhardi *ex* Schrank & Martius]







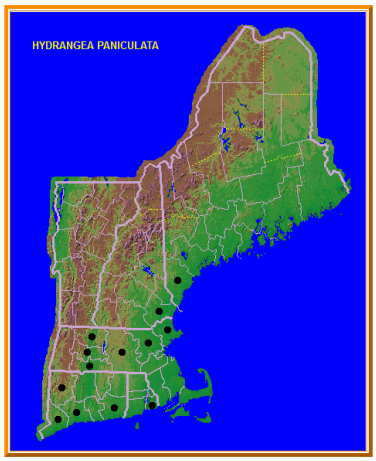
Huperzia X ***josephbeitelii*** A. Haines.
[*H. appressa* (Desvaux) Á. Löve & D. Löve X *H. selago* (Linnaeus) Bernhardi *ex* Schrank & Martius]

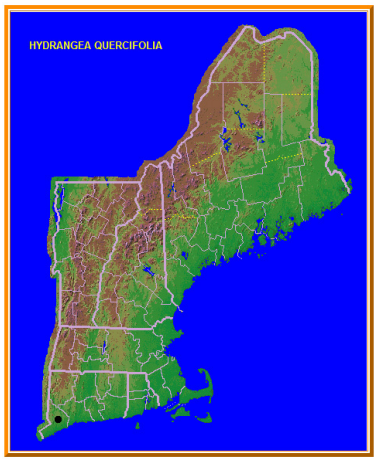
HYBANTHUS (Family: Violaceae)

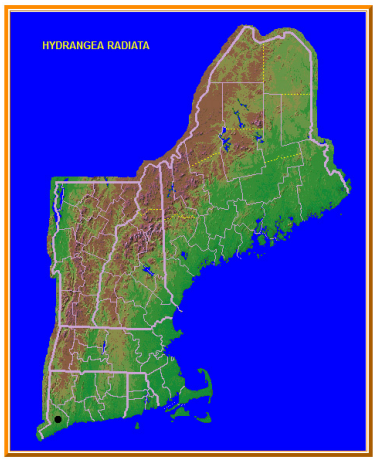
Hybanthus concolor (T.F. Forster) Sprengel - **Green Violet**. 2n = 48.
Shaded, calcareous talus.

HYDRANGEA (Family: Hydrangeaceae)

HYDRANGEA ARBORESCENS Linnaeus - **Wild Hydrangea**. 2n = 36, (38).
Roadsides, swamps, streambanks, thickets. From farther south and west.



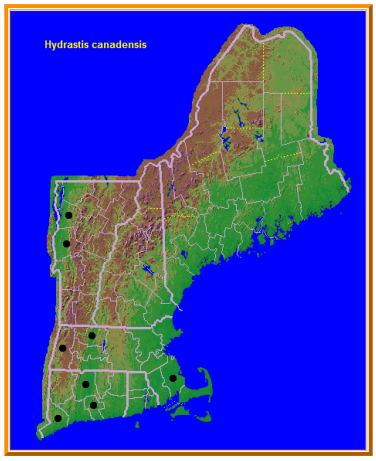


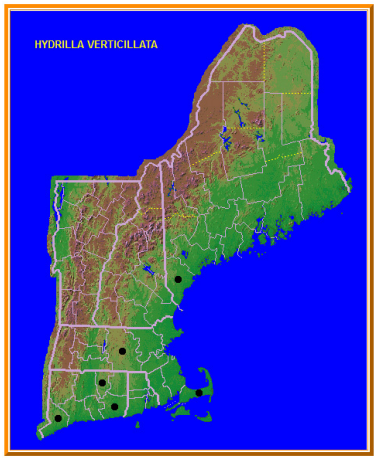


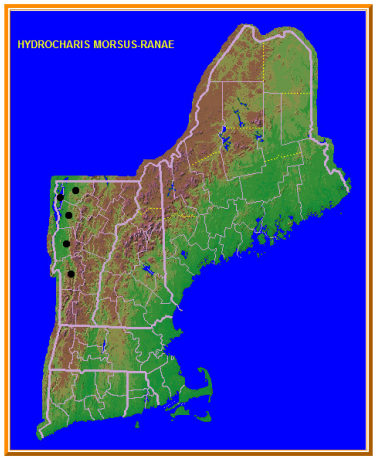
HYDRANGEA PANICULATA Siebold - . 2n = (36), 72, (108).
Swamps, damp woodlands, roadsides, streambanks. From eastern Asia.

HYDRANGEA QUERCIFOLIA W. Bartram - . 2n = 36.
Dry, open hillsides. From southeastern United States.

HYDRANGEA RADIATA Walter - **Silverleaf Hydrangea**. 2n = 36.
Waste places. From southeastern United States. [*H. ARBORESCENS* Linnaeus subsp. *RADIATA* (Walter) E.M. McClintock]







HYDRASTIS (Family: Ranunculaceae)

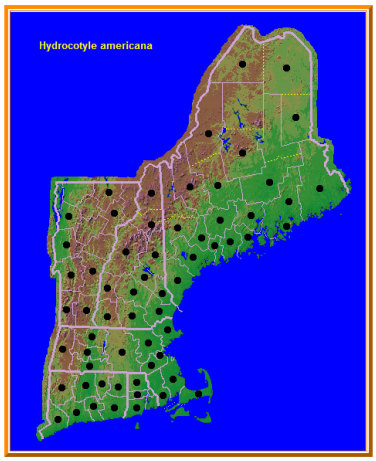
Hydrastis canadensis Linnaeus - **Goldenseal**. 2n = 26.
Rich woods.

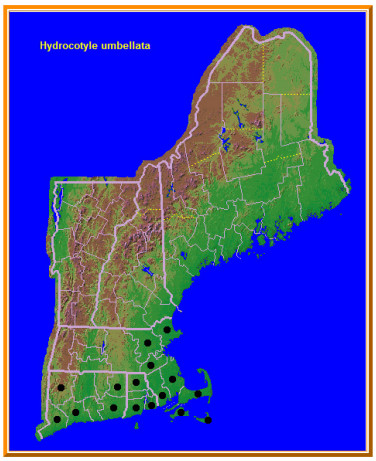
HYDRILLA (Family: Hydrocharitaceae)

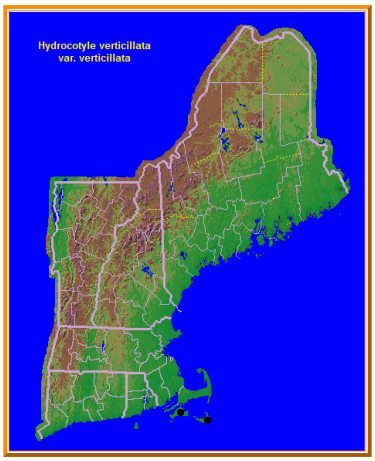
HYDRILLA VERTICILLATA (Linnaeus (son)) Royle - . 2n = 16, 24, (32).
Ponds, lakes and streams. From the Old World.

HYDROCHARIS (Family: Hydrocharitaceae)

HYDROCHARIS MORSUS-RANAE Linnaeus - . 2n = (14), 28.
Near pond shore in .5m deep water. From Eurasia.





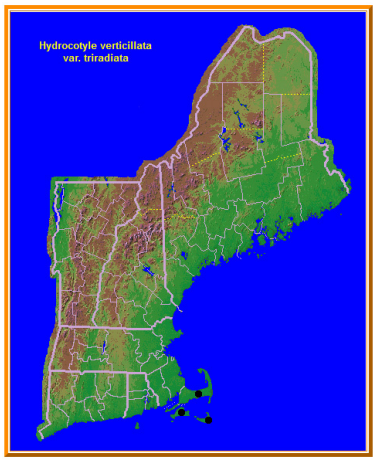


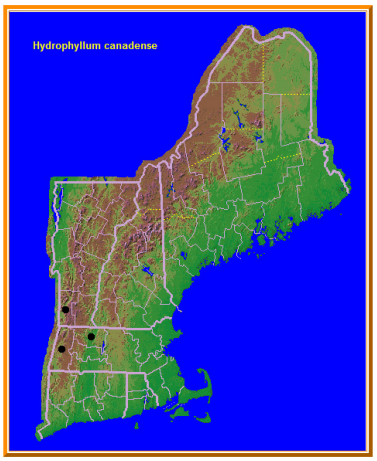
HYDROCOTYLE (Family: Araliaceae)

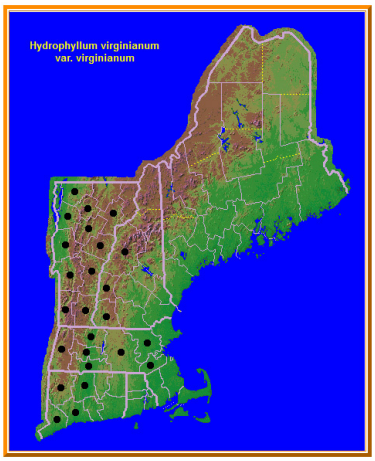
Hydrocotyle americana Linnaeus - **Marsh Pennywort**. 2n = 60.
Damp woodlands and thickets, swamps, meadows, wet fields, stream margins, freshwater shores, wet ditches.

Hydrocotyle umbellata Linnaeus - **Water Pennywort**. 2n = 48.
Pond shores.

Hydrocotyle verticillata Thunberg var. ***verticillata*** - **Whorled Pennywort**. 2n = 88+4
Pond shores.





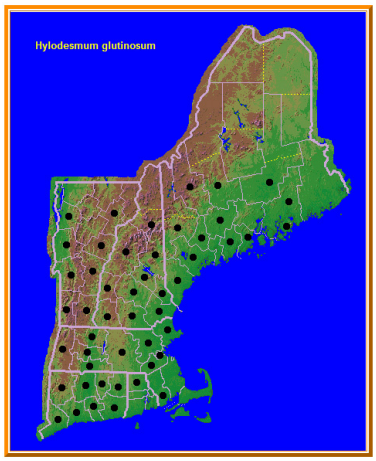


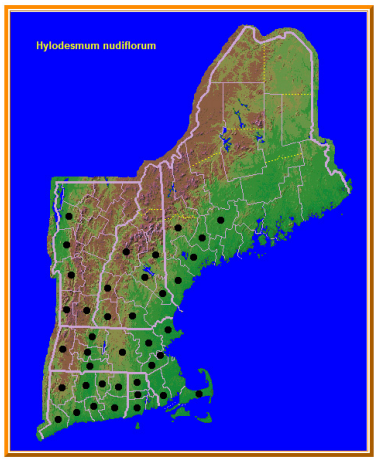
Hydrocotyle verticillata Thunberg var. ***triradiata*** (A. Richard) Fernald - . 2n = ?
Damp soils. [*H. prolifera* Kellogg]

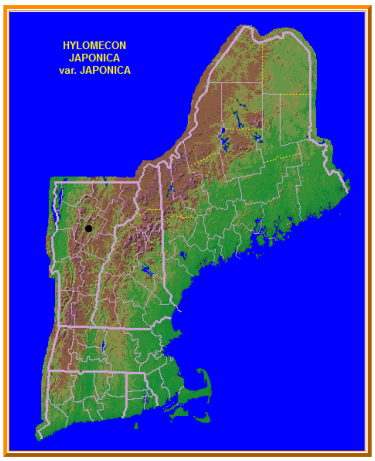
HYDROPHYLLUM (Family: Hydrophyllaceae)

Hydrophyllum canadense Linnaeus - . 2n = 18.
Damp, rich woodlands, mountain brooksides, rich humus at base of calcareous ledges.

Hydrophyllum virginianum Linnaeus var. ***virginianum*** - **John's-cabbage**. 2n = 18.
Rich, deciduous, often wet, woodlands.







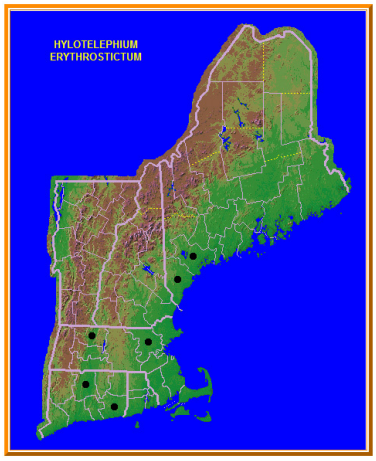
HYLODESMUM (Family: Fabaceae)

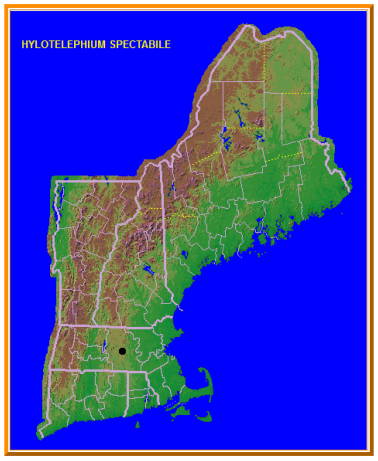
Hylodesmum glutinosum (Muhlenberg *ex* Willdenow) H. Ohashi & R.R. Mill - . 2n = 22.
Rich, dry or rocky woods. [*Desmodium glutinosum* (Muhlenberg *ex* Willdenow) Alph. Wood; *D. acuminatum* (Michaux) de Candolle]

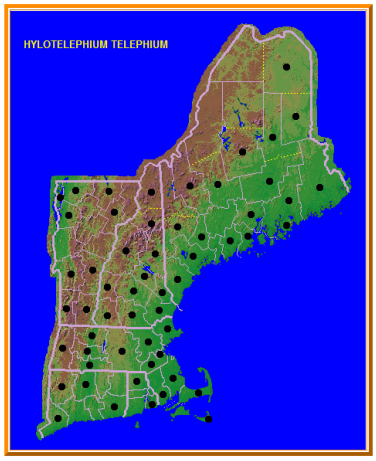
Hylodesmum nudiflorum (Muhlenberg *ex* Willdenow) H. Ohashi & R.R. Mill - . 2n = ?
Rich, dry or rocky woods. [*Desmodium nudiflorum* (Linnaeus) de Candolle]

HYLOMECON (Family: Papaveraceae)

HYLOMECON JAPONICA (Thunberg) Prantl var. ***JAPONICA*** - . 2n = (12), 24.
Roadsides, woodland margins. From eastern Asia, Russia.





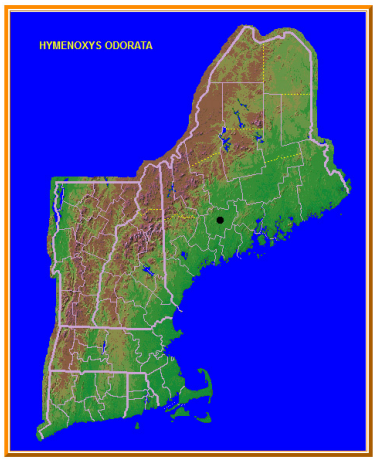


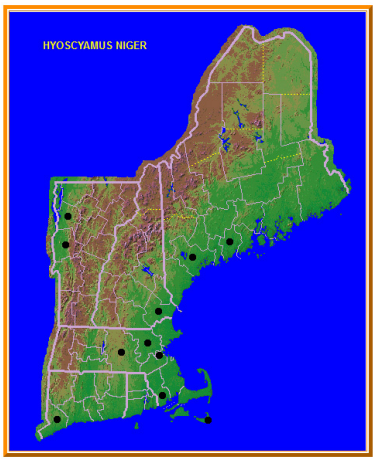
HYLOTELEPHIUM (Family: Crassulaceae)

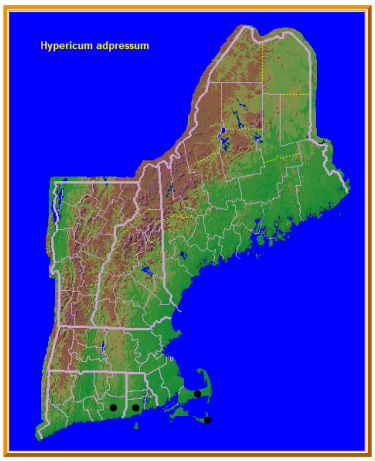
HYLOTELEPHIUM ERYTHROSTICTUM (Miquel) H. Ohba - **Garden Stonecrop**. 2n = 48, 50.
Waste places, disturbed ground, roadsides, pond shores. From eastern Asia, Russia. [*SEDUM ALBOROSEUM* Baker; *S. ERYTHROSTICTUM* Miquel; *S. SPECTABILE* - misapplied]

HYLOTELEPHIUM SPECTABILE (Boreau) H. Ohba - **Butterfly Stonecrop**. 2n = 50, 51.
Dry, roadsides. From eastern Asia. [*SEDUM SPECTABILE* Boreau]

HYLOTELEPHIUM TELEPHIUM (Linnaeus) H. Ohba - **Witches' Moneybags**. 2n = 24, 48, (36).
Roadsides, waste places, old fields. From northern Eurasia. [*SEDUM TELEPHIUM* Linnaeus; *S. PURPUREUM* (Linnaeus) Schultes]







HYMENOXYS (Family: Asteraceae)

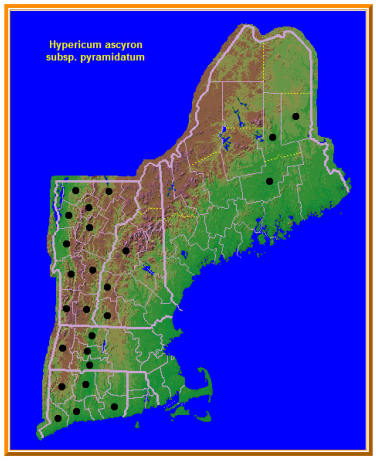
HYMENOXYS ODORATA de Candolle - **Bitter Rubberweed**. 2n = 22, (24), (28), 30.
Waste places. From farther west.

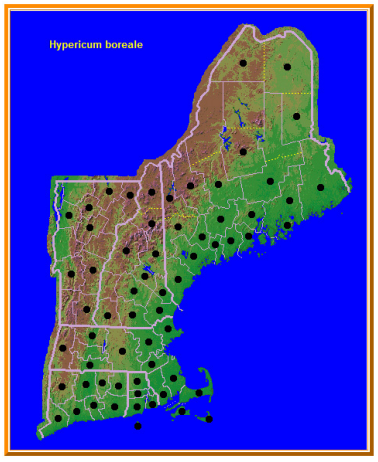
HYOSCYAMUS (Family: Solanaceae)

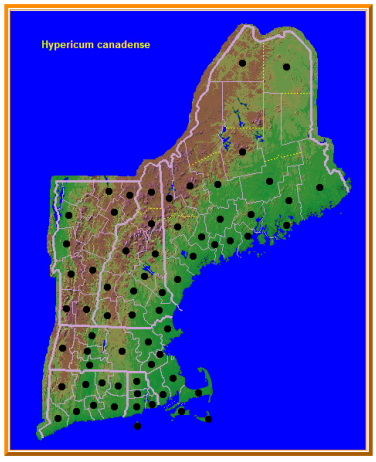
HYOSCYAMUS NIGER Linnaeus - **Black Henbane**. 2n = 34.
Roadsides, waste places, wool waste. From Eurasia, northern Africa.

HYPERICUM (Family: Hypericaceae)

Hypericum adpressum W.P.C. Barton - . 2n = 18.
Sandy or sphagnous pond shores and depressions.



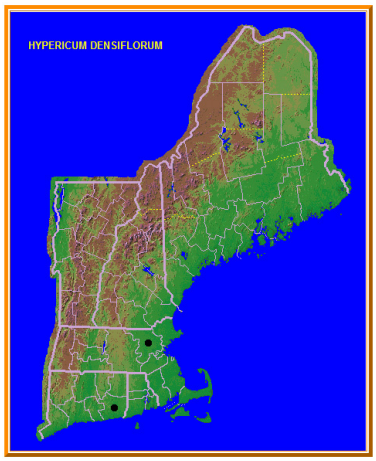


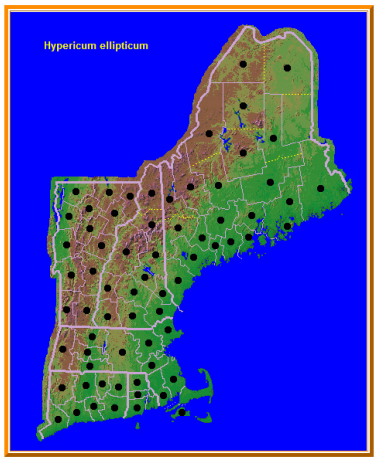


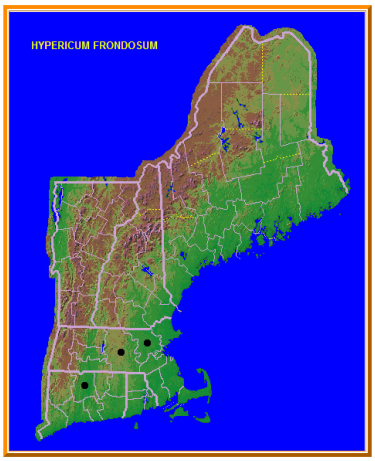
Hypericum ascyron Linnaeus subsp. ***pyramidatum*** (Aiton) N. Robson - **Great St. John's-wort**. 2n = ?
River thickets and meadows. [*H. pyramidatum* Aiton]

Hypericum boreale (Britton) E.P. Bicknell - . 2n = 16.
Swamps, bogs, meadows, shores, and other open, wet places. [*H. mutilum* Linnaeus subsp. *boreale* (Britton) J.M. Gillett]

Hypericum canadense Linnaeus - . 2n = 16.
Bogs, shores, swamps, marshes, vernal pools, open places in moist sand.



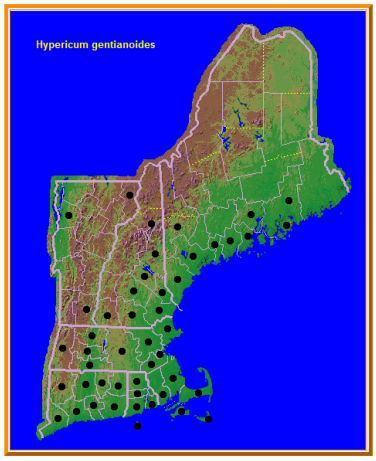


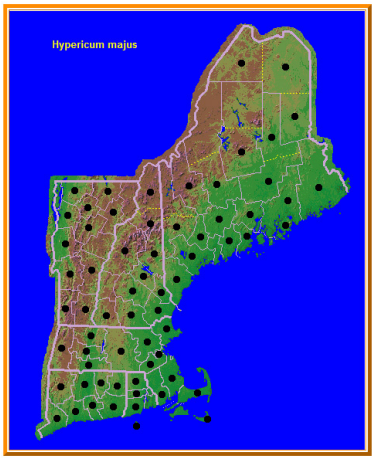


HYPERICUM DENSIFLORUM Pursh - . 2n = 16, 18.
Fields, roadsides. From farther south.

Hypericum ellipticum Hooker - . 2n = 16, 18.
Sandy or gravelly shores, meadows, marshes, swamps and other wet places.

HYPERICUM FRONDOSUM Michaux - . 2n = 18.
Fields, roadsides. From farther south.

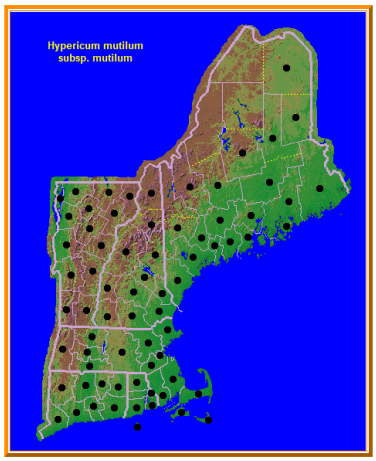


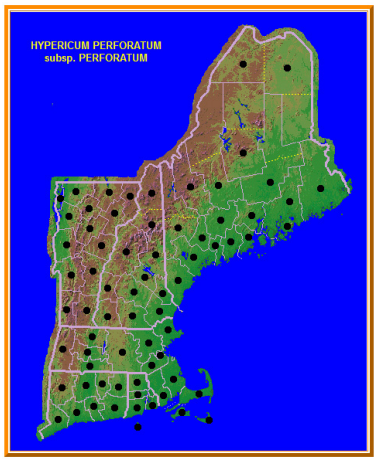


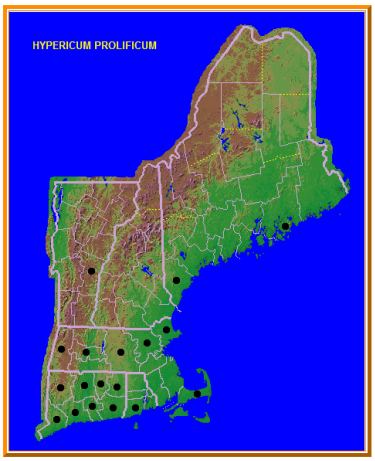
Hypericum gentianoides (Linnaeus) Britton, Sterns & Poggenburg - **Pineweed**. 2n = 24.
Sandy, open soil, railroads, roadsides, fields, waste places.

Hypericum hypericoides (Linnaeus) Crantz subsp. ***multicaule*** (Michaux *ex* Willdenow) N. Robson - **Great St. Andrew's Cross**. 2n = 18.
Dry sand plains. [*H. stragulum* W.P. Adams & N. Robson; *Ascyrum hypericoides* Linnaeus var. *multicaule* (Michaux *ex* Willdenow) Fernald]

Hypericum majus (A. Gray) Britton - . 2n = 16.
Damp fields, shores, wet roadsides, other open, wet places.



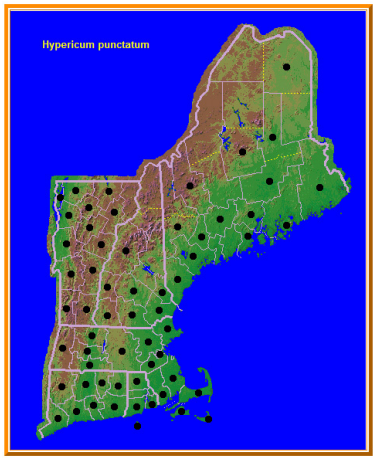


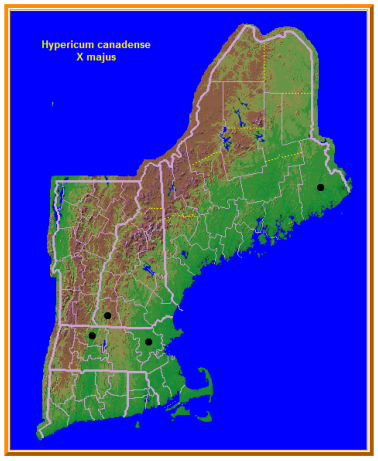


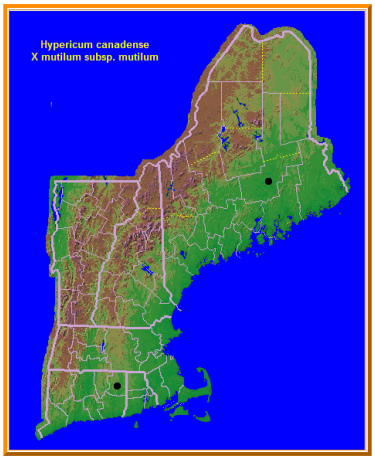
Hypericum mutilum Linnaeus subsp. ***mutilum*** - . 2n = 16.
Swamps, bogs, meadows, shores, and other open, wet places. [*H. mutilum* var. *parviflorum* Fernald]

HYPERICUM PERFORATUM Linnaeus subsp. ***PERFORATUM*** - **Common St. John's-wort**. 2n = (16), 32, (48).
Dry, sandy, fields, roadsides, riverbanks, meadows, railroads, waste places. From Eurasia, northern Africa.

HYPERICUM PROLIFICUM Linnaeus - **Shrubby St. John's-wort**. 2n = 18.
Sandy fields, roadsides. From farther south and west. [*H. SPATHULATUM* (Spach) Steudel]





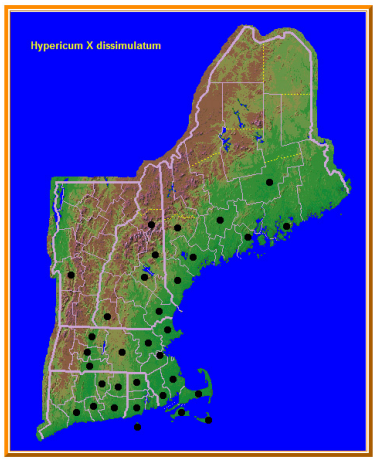


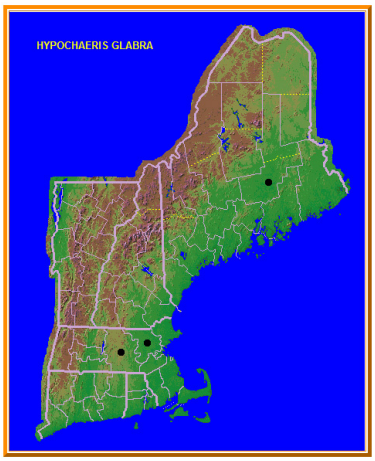
Hypericum punctatum Lamarck - **Spotted St. John's-wort**. 2n = (14), 16.
River thickets, meadows, swamps, woodlands, fields, openings, railroads, roadsides.

Hypericum hybrids

Hypericum canadense Linnaeus X ***H. majus*** (A. Gray) Britton - .

Hypericum canadense Linnaeus X ***H. mutilum*** Linnaeus subsp. ***mutilum*** - .



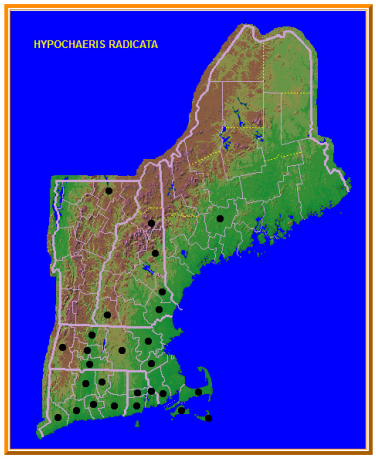


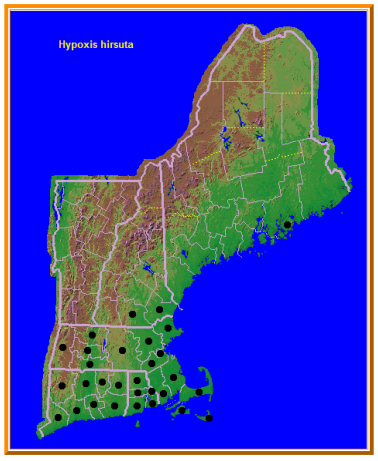
Hypericum X ***dissimulatum*** E.P. Bicknell (*pro species*) - .
[*H. canadense* Linnaeus X *H. boreale* (Britton) E.P. Bicknell]

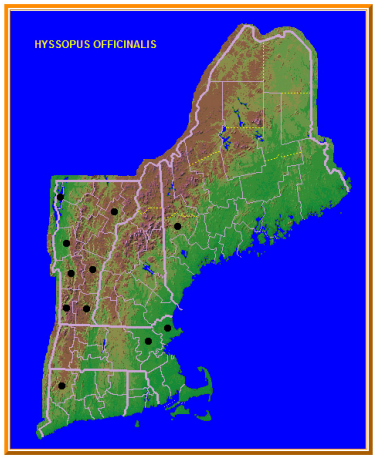
Hypericum majus (A. Gray) Britton X ***H. mutilum*** Linnaeus subsp. ***mutilum*** - .

HYPOCHAERIS (Family: Asteraceae)

HYPOCHAERIS GLABRA Linnaeus - . 2n = (8), 10, (12).
Wool waste, fields. From Eurasia, northern Africa.







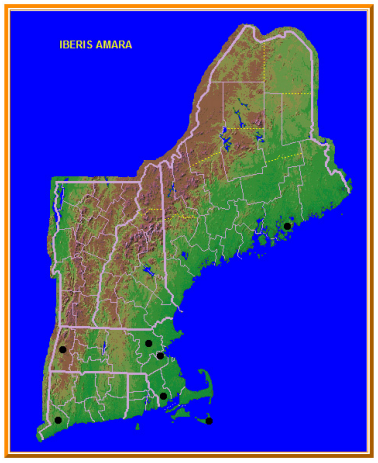
HYPOCHAERIS RADICATA Linnaeus - **Common Cat's-ear**. 2n = 8.
Roadsides, fields, waste places. From Eurasia, northern Africa.

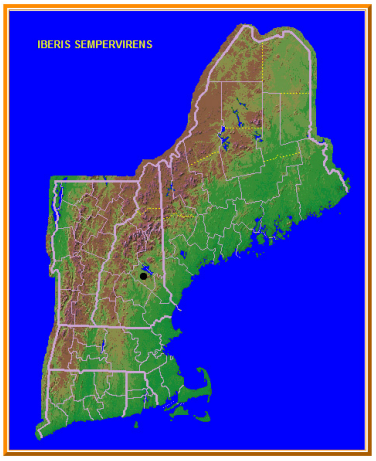
HYPOXIS (Family: Hypoxidaceae)

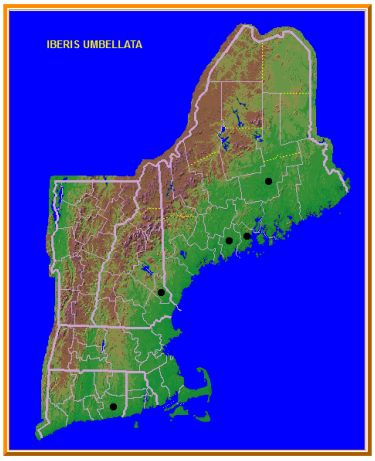
Hypoxis hirsuta (Linnaeus) Coville - **Common Stargrass**. 2n = 28.
Open woods, fields.

HYSSOPUS (Family: Lamiaceae)

HYSSOPUS OFFICINALIS Linnaeus - **Hyssop**. 2n = 12, (13).
Roadsides, dry fields, waste places. From Eurasia, northwestern Africa.





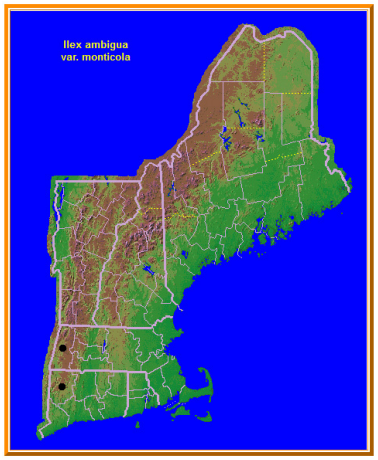


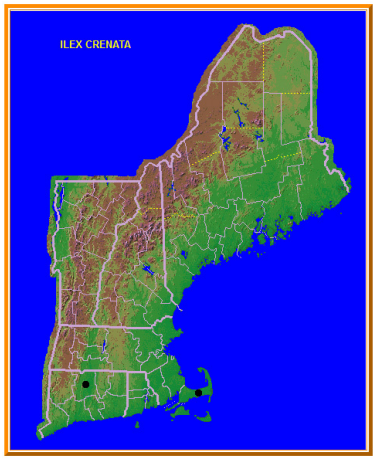
IBERIS (Family: Brassicaceae)

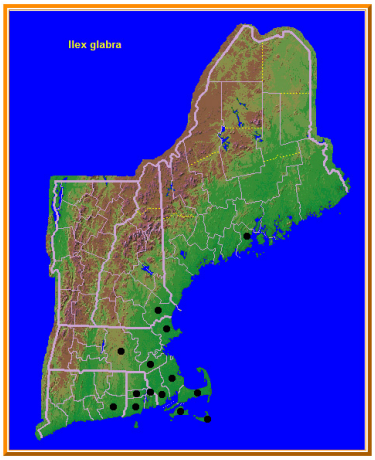
IBERIS AMARA Linnaeus - **Rocket Candytuft**. 2n = 14, 28.
Waste places, especially dumps. From western Europe.

IBERIS SEMPERVIRENS Linnaeus - **Evergreen Candytuft**. 2n = 22, (66).
Fields, waste places. From Europe.

IBERIS UMBELLATA Linnaeus - **Globe Candytuft**. 2n = 14, 16, 18, 34.
Waste places. From Europe.





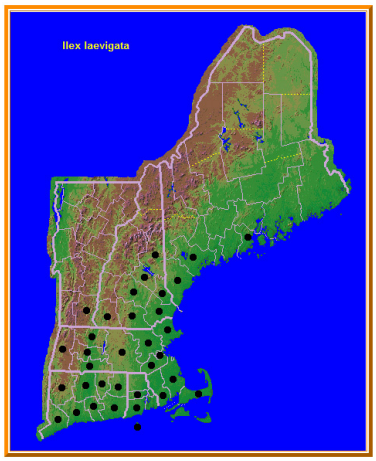


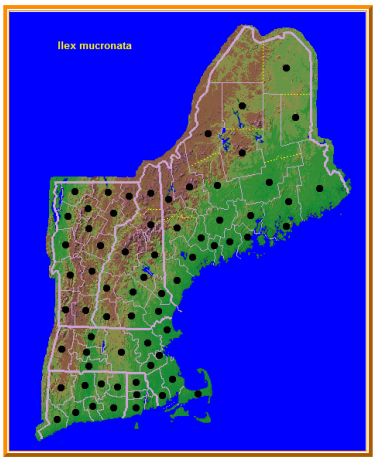
ILEX (Family: Aquifoliaceae)

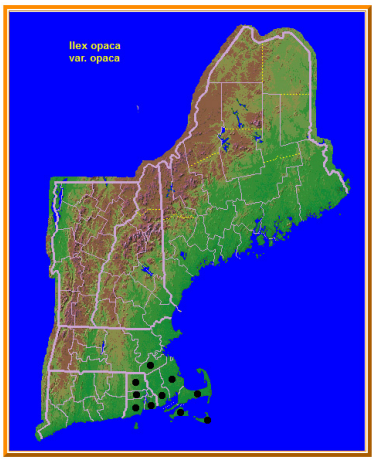
Ilex ambigua (Michaux) Torrey var. ***monticola*** (A. Gray) Wunderlin & Poppleton - . 2n = 40.
Rich wooded slopes and mountainsides. [*I. montana* Torrey & A. Gray]

ILEX CRENATA Thunberg - **Japanese Holly**. 2n = 34.
Dry, oak woodland margins, thickets. From eastern Asia.

Ilex glabra (Linnaeus) A. Gray - **Inkberry**. 2n = ?
Swamps, wet woods, low sandy or peaty soil.



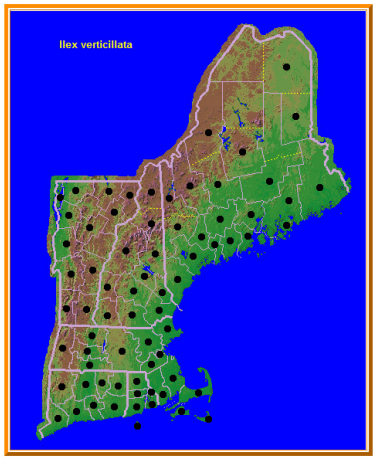


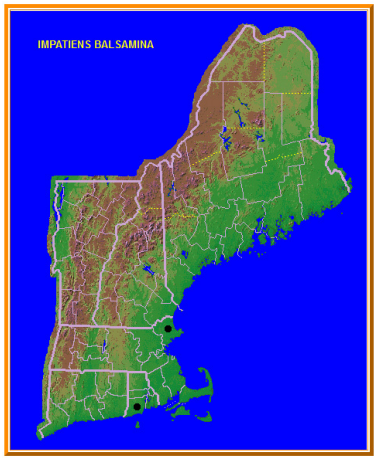


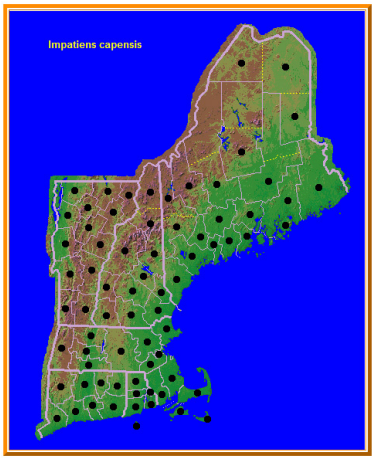
Ilex laevigata (Pursh) A. Gray - **Smooth Winterberry**. 2n = ?
Swamps, wet woods, thickets.

Ilex mucronata (Linnaeus) M. Powell, Savolainen, & S. Andrews - **Mountain-holly**. 2n = 40.
Swamps, bogs, damp thickets, cool, damp woods. [*Nemopanthus mucronatus* (Linnaeus) Trelease *ex* Loesener]

Ilex opaca Aiton var. ***opaca*** - **American Holly**. 2n = 36.
Moist, often sandy, woods, dune hollows, swamps and swamp margins.





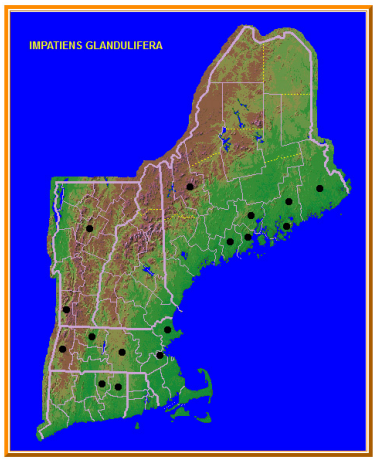


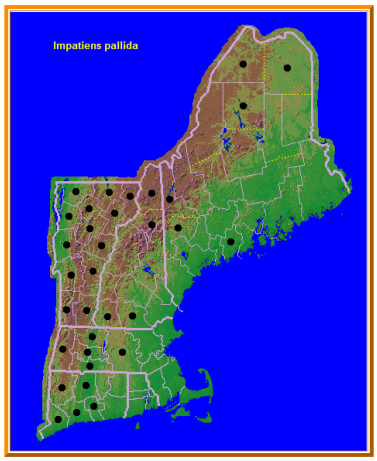
Ilex verticillata (Linnaeus) A. Gray - **Common Winterberry**. 2n = 36, 72.
Swamps, damp thickets, wet woods, pond margins. [*I. verticillata* var. *cyclophylla* B.L. Robinson; *I. verticillata* var. *fastigiata* (E.P. Bicknell) Fernald; *I. verticillata* var. *padifolia* (Willdenow) Torrey & A. Gray *ex* S. Watson; *I. verticillata* var. *tenuifolia* (Torrey) S. Watson]

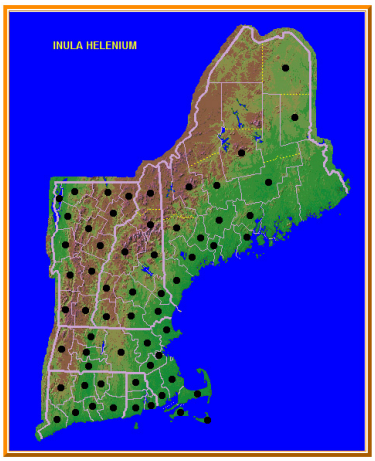
IMPATIENS (Family: Balsaminaceae)

IMPATIENS BALSAMINA Linnaeus - **Garden Balsam**. 2n = (12), 14, (18), (28), (56).
Waste places, beaches. From southern Asia.

Impatiens capensis Meerburgh - **Spotted Touch-me-not**. 2n = 20.
Swamps, springy places, brooksides, wet, roadside ditches, moist, shady soil.





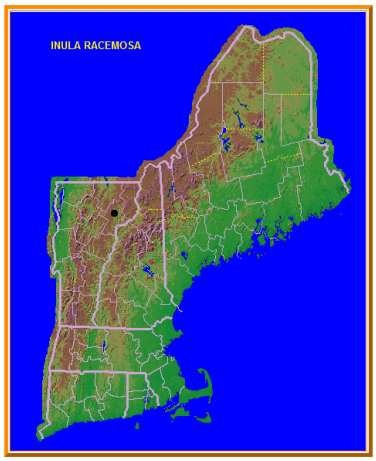


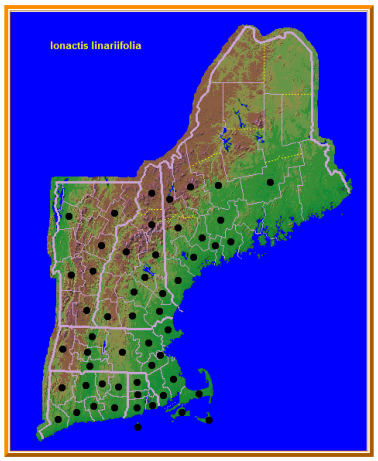
IMPATIENS GLANDULIFERA Royle - . 2n = 18.
Waste places, roadsides, in rich soil. From Indian subcontinent.

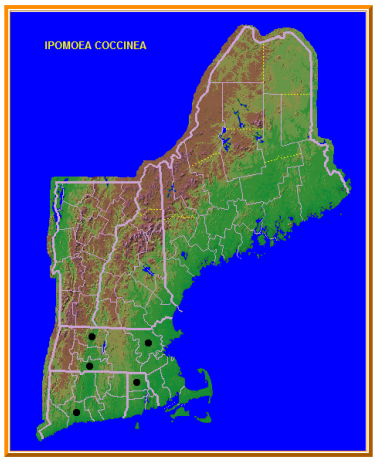
Impatiens pallida Nuttall - **Pale Touch-me-not**. 2n = 20, 30.
Springy places, wet, deciduous woodlands, moist, shady, chiefly calcareous soil.

INULA (Family: Asteraceae)

INULA HELENIUM Linnaeus - **Elecampane**. 2n = 20.
Damp fields, roadsides, clearings, waste places. From Eurasia.







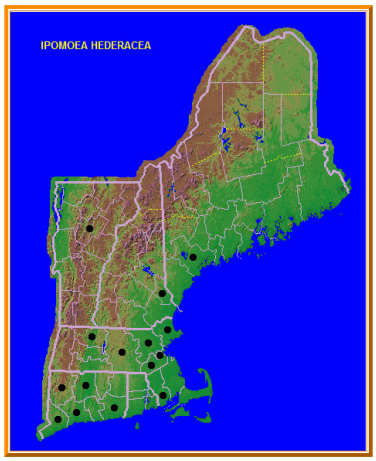
INULA RACEMOSA Hooker (son) - . 2n = 20.
Open, disturbed ground. From central Asia.

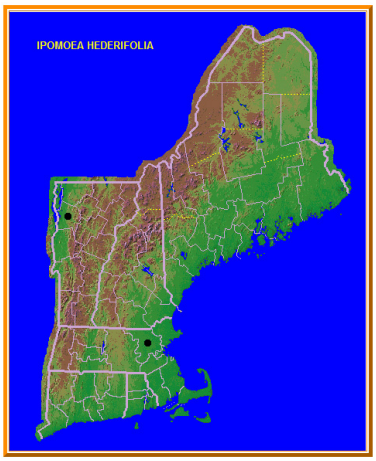
IONACTIS (Family: Asteraceae)

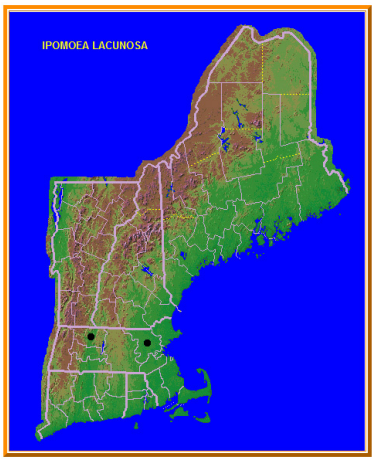
Ionactis linariifolia (Linnaeus) Greene - **Stiff Aster**. 2n = 18.
Dry, open, sandy soil, woods borders, rocky outcrops. [*Aster linariifolius* Linnaeus]

IPOMOEA (Family: Convolvulaceae)

IPOMOEA COCCINEA Linnaeus - **Red Morning-glory**. 2n = 28.
Thickets, roadsides, waste places. From farther south.



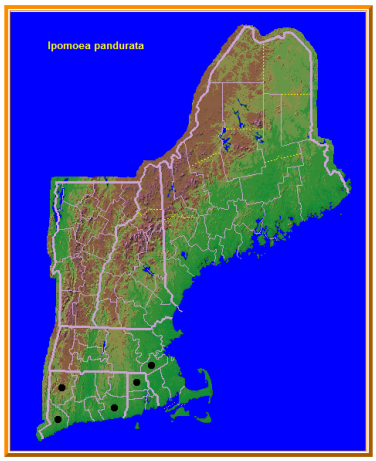


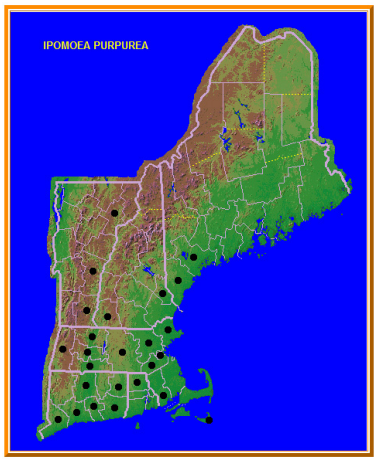


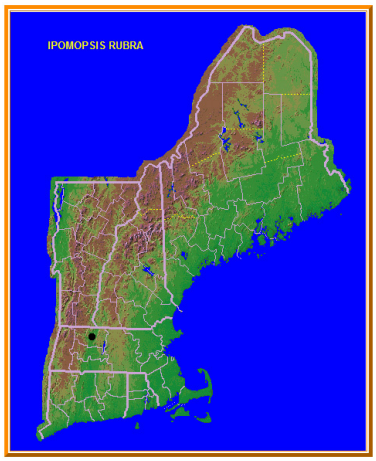
IPOMOEA HEDERACEA Jacquin - . 2n = 30.
Fields, pond shores, roadsides, waste places. From Mexico, Central America, western South America, Caribbean. [*I. HIRSUTULA* misapplied]

IPOMOEA HEDERIFOLIA Linnaeus - **Scarlet Creeper**. 2n = 28.
Roadsides, waste places. From farther south, Central and South America, Caribbean.

IPOMOEA LACUNOSA Linnaeus - **White Morning-glory**. 2n = 30.
Waste places, railroads. From farther south and west.





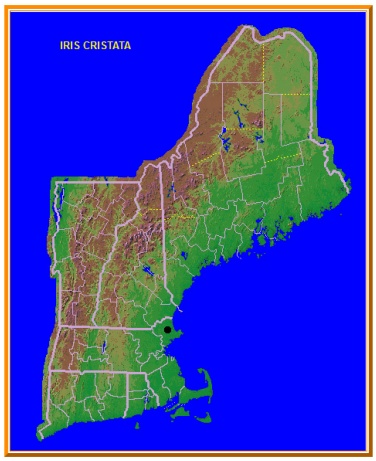


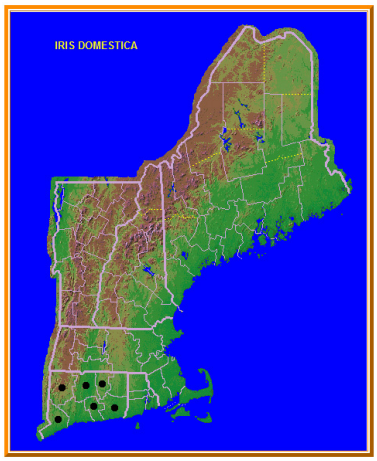
Ipomoea pandurata (Linnaeus) G. Meyer - **Wild Potato-vine**. 2n = 30.
Dry fields.

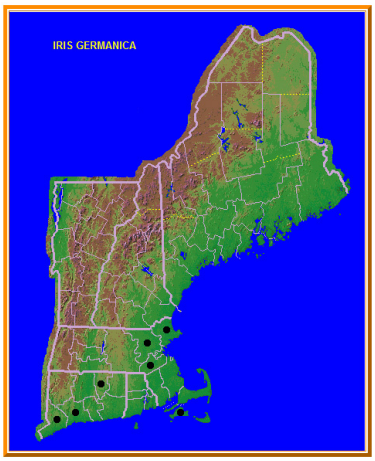
IPOMOEA PURPUREA (Linnaeus) Roth - **Common Morning-glory**. 2n = 30, (32).
Roadsides, field margins, waste places. From tropical America. [*I. HIRSUTULA* J. Jacquin]

IPOMOPSIS (Family: Polemoniaceae)

IPOMOPSIS RUBRA (Linnaeus) Wherry - **Standing-cypress**. 2n = 14.
Sandy soil. From farther south and west. [*GILIA RUBRA* (Linnaeus) A. Heller]





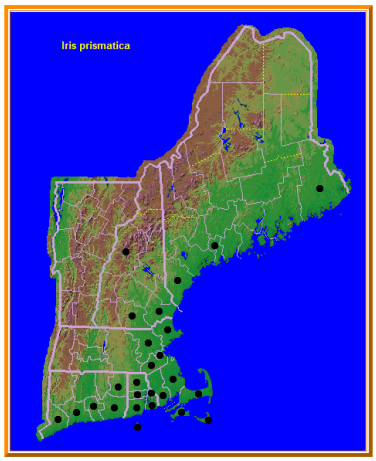


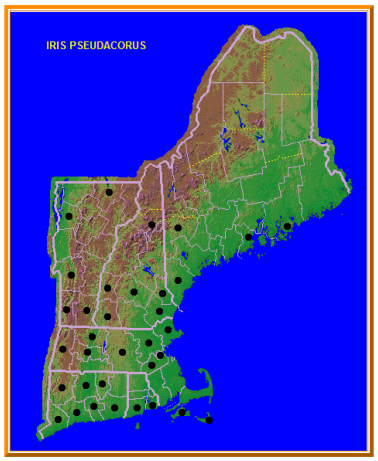
IRIS (Family: Iridaceae)

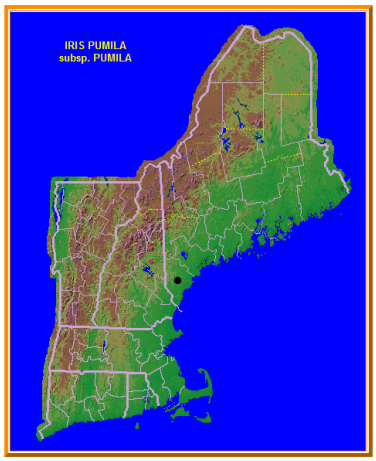
IRIS CRISTATA Aiton - **Dwarf Crested Iris**. 2n = 24, 32.
Rich woods, in acid soils. From farther south and west.

IRIS DOMESTICA (Linnaeus) Goldblatt & Mabberley - . 2n = (16), (27), (28), (30), 32, (128).
Fields, roadsides, thickets, open woods. From eastern Asia. [*BELAMCANDA CHINENSIS* (Linnaeus) Redouté]

IRIS GERMANICA Linnaeus - **Fleur-de-lis**. 2n = (24), (28), 44, 48.
Roadsides, waste places. From Europe.



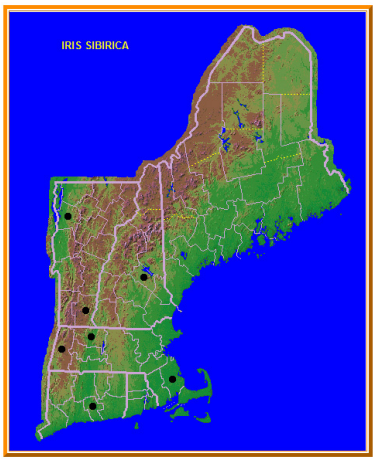


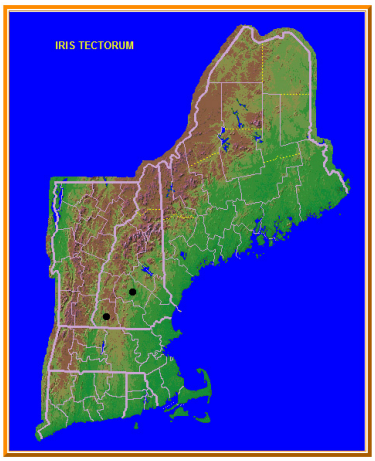


Iris prismatica Pursh *ex* Ker Gawler - **Slender Blue Flag**. 2n = 42.
Marshes, meadows, swamps, sands, shores, seacoasts.

IRIS PSEUDACORUS Linnaeus - **Yellow Iris**. 2n = (24), (32), 34.
Swamps, wet meadows, marshes, brooksides, waste places. From Europe.

IRIS PUMILA Linnaeus subsp. ***PUMILA*** - . 2n = (20), (24), (30), 32, (36).
Dry, rocky knolls. From Eurasia.

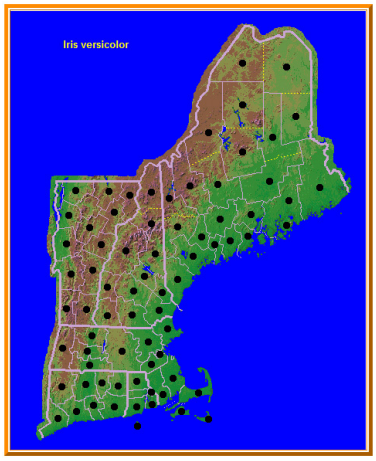


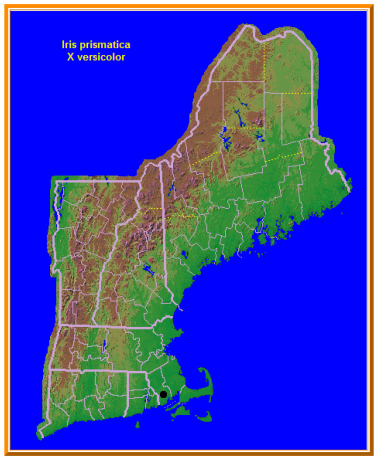


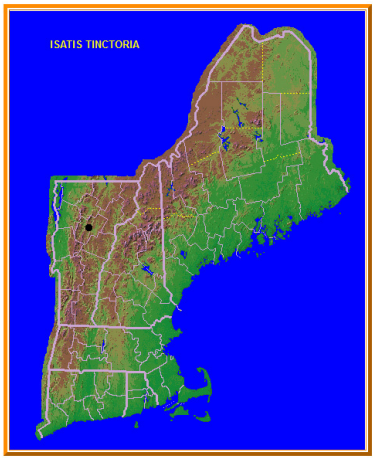
Iris setosa Pallas *ex* Link - **Beachhead Iris**. 2n = (36), 38.
Rocky slopes, upper borders of beaches, moist fields, always near salt water. [*I. hookeri* Penny *ex* G. Don]

IRIS SIBIRICA Linnaeus - **Siberian Iris**. 2n = 28.
Wet meadows, waste lots. From Eurasia.

IRIS TECTORUM Maximowicz - **Wall Iris**. 2n = 28, (32), (36).
Roadsides. From China.







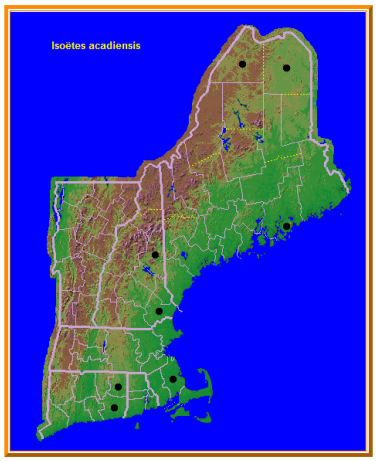
Iris versicolor Linnaeus - **Blue Flag**. 2n = 108.
Swamps, marshes, meadows, shores, ditches.

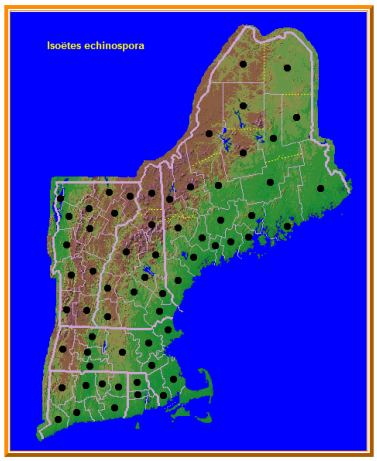
***Iris* hybrid**

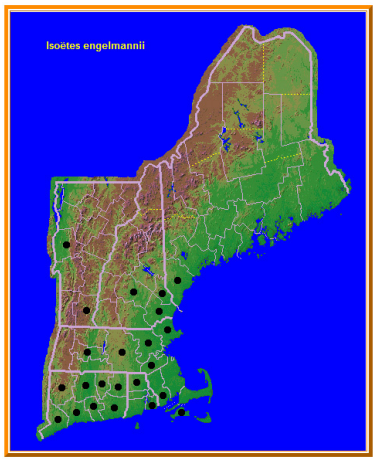
Iris prismatica Pursh *ex* Ker Gawler X ***I. versicolor*** Linnaeus - .

ISATIS (Family: Brassicaceae)

ISATIS TINCTORIA Linnaeus - **Dyer's Woad**. 2n = (14), 28.
Roadsides, fields, waste places. From Eurasia, northern Africa.





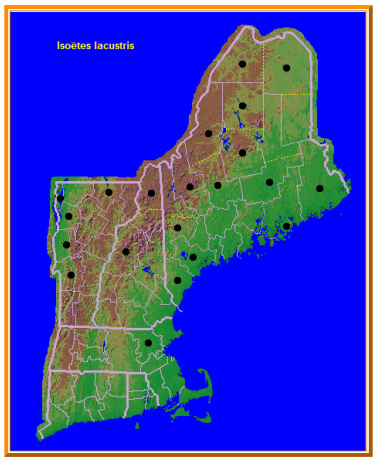


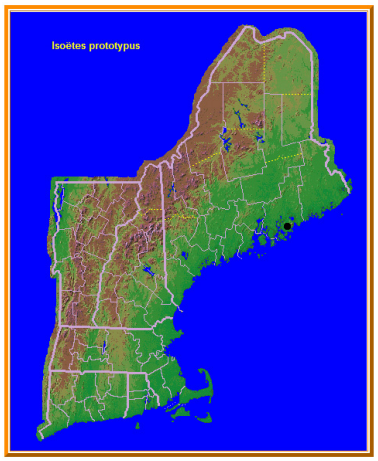
ISOËTES (Family: Isoëtaceae)

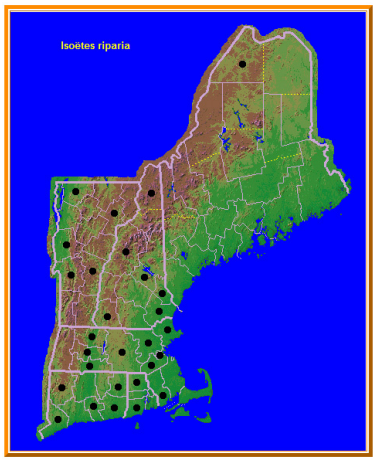
Isoëtes acadiensis Kott - **Acadian Quillwort**. 2n = (22), 44.
Shallow water of ponds and slow moving streams. Note: The report of 2n = 44 (Kott and Britton 1980) for *I. macrospora* Durieu forma *hieroglyphica* (A. A. Eaton) N. E. Pfeiffer was later attributed (Kott 1981) to *I. acadiensis*).

Isoëtes echinospora Durieu - **Braun's Quillwort**. 2n = 22, (33).
Shallow water and shores of slightly acidic lakes, ponds, and streams. [*I. echinospora* var. *braunii* (Durieu) Engelmann; *I. echinospora* var. *muricata* (Durieu) Engelmann; *I. muricata* Durieu]

Isoëtes engelmannii A. Braun - **Engelmann's Quillwort**. 2n = 22, (44).
Shallow water of ponds, lakes, streams, or in muddy ditches.



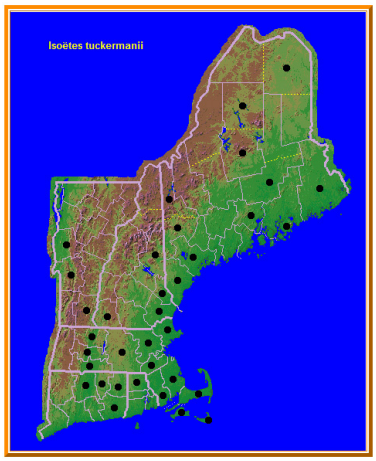


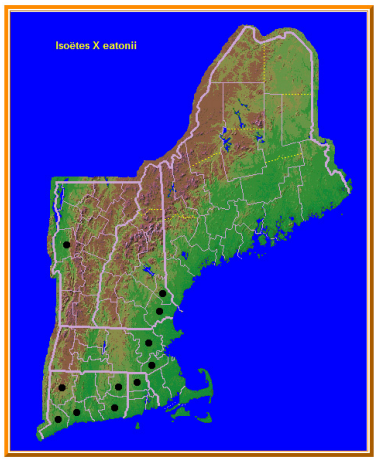


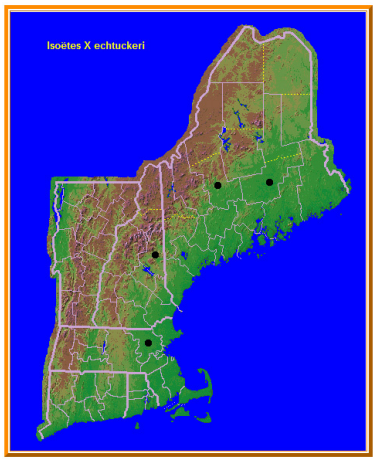
Isoëtes lacustris Linnaeus - **Lake Quillwort**. 2n = 110.
Shores and shallow water of slightly acidic ponds, lakes, and streams. [*I. macrospora* Durieu; *I. hieroglyphica* A.A. Eaton]

Isoëtes prototypus D.M. Britton - . 2n = 22.
Deep water of cold, acidic lakes.

Isoëtes riparia Engelmann *ex* A. Braun - **Riverbank Quillwort**. 2n = 44.
Muddy or sandy shores (including tidal shores and estuaries), usually of rivers. [*I. riparia* var. *canadensis* Engelmann; *I. saccharata* Engelmann var. *amesii* A.A. Eaton]







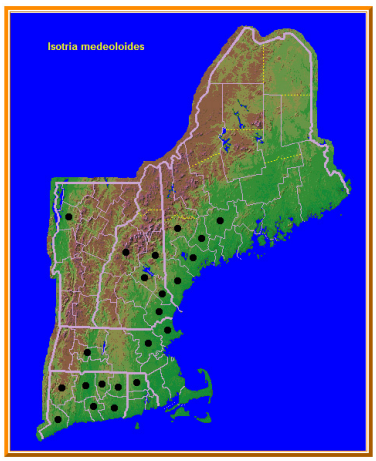
Isoëtes tuckermanii A. Braun *ex* Engelmann - **Tuckerman's Quillwort**. 2n = 44.
Pond and lake margins, shores (frequently tidal), usually submersed in quiet water.

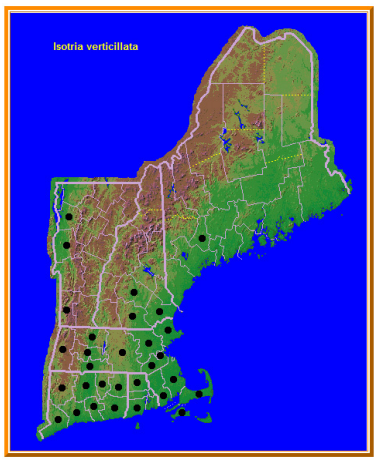
Isoëtes viridimontana M.A. Rosenthal & W.C. Taylor - . 2n = 22.
Lake margin submersed in quiet water. To date (2014) found only in Windham County, Vermont. See American Fern Journal 104; 7-15 (2014). **Not mapped.**

Isoëtes hybrids

Isoëtes X ***eatonii*** R. Dodge (*pro species*).
[*I. echinospora* Durieu X *I. engelmannii* A. Braun; *I. gravesii* A.A. Eaton]

Isoëtes X ***echtuckeri*** D.F. Brunton & D.M. Britton.
[*I. echinospora* Durieu X *I. tuckermanii* A. Braun *ex* Engelmann]



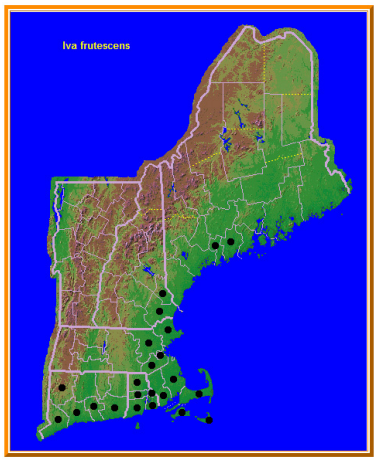


Isoëtes X ***harveyi*** A.A. Eaton (*pro species*).
[*I. lacustris* Linnaeus X *I. tuckermanii* A. Braun] Note: This hybrid was recognized relatively recently by Britton (1991). Herbarium specimens annotated as this hybrid are from southern Penobscot Co., Maine (US); Somerset Co., Maine (MAINE); and Mt. Desert Island, Maine (MO). Since the holdings of NEBC have not been examined critically for this hybrid, it is **not mapped**.

ISOTRIA (Family: Orchidaceae)

Isotria medeoloides (Pursh) Rafinesque - **Small Whorled Pogonia**. 2n = 18.
Open second growth, rich woods, often near *Fagus*.

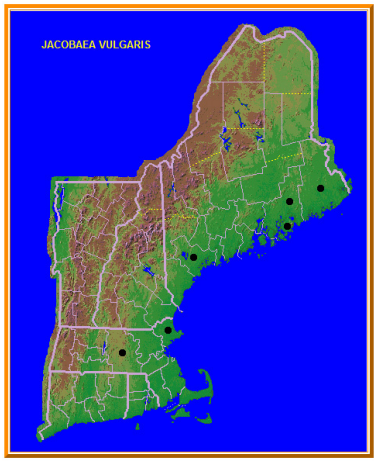
Isotria verticillata (Muhlenberg *ex* Willdenow) Rafinesque - **Large Whorled Pogonia**. 2n = 18.
Acidic woods, usually damp, often with *Medeola*.

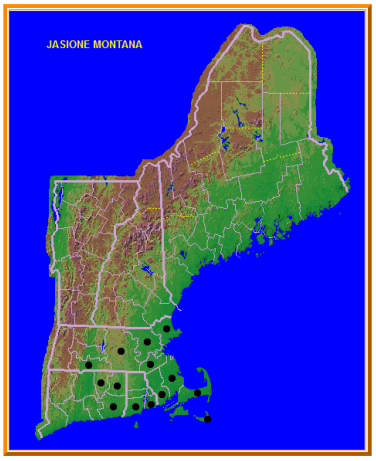


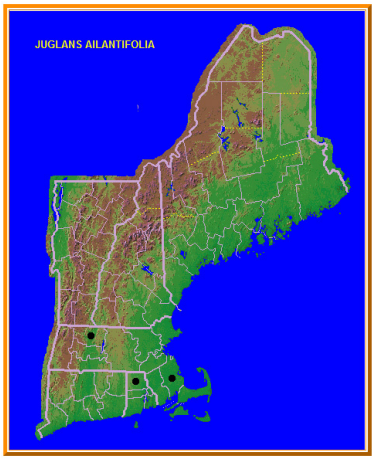
IVA (Family: Asteraceae)

IVA ANNUA Linnaeus - **Sumpweed**. 2n = 34.
Waste places. From farther west and south. [*I. CILIATA* Willdenow]

Iva frutescens Linnaeus - **Jesuits'-bark**. 2n = 34.
Saline marshes and shores at normal high tide limit. [*I. frutescens* var. *oraria* (Bartlett) Fernald & Griscom]







JACOBAEA (Family: Asteraceae)

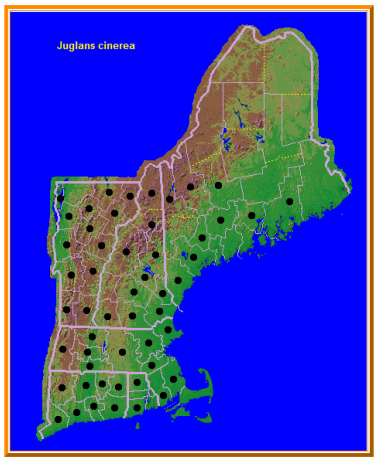
JACOBAEA VULGARIS Gaertner - **Stinking Willie**. 2n = 40.
Wet pastures, roadsides. From Eurasia, northern Africa. [*SENECIO JACOBAEA* Linnaeus]

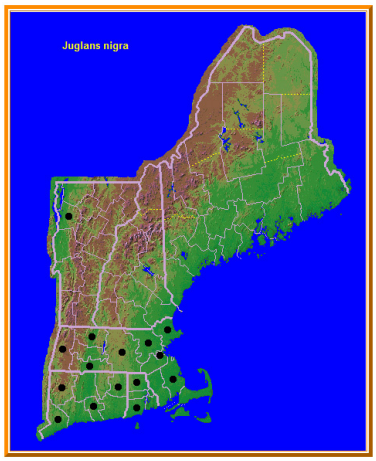
JASIONE (Family: Campanulaceae)

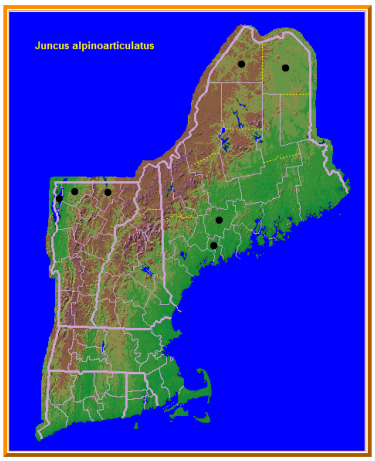
JASIONE MONTANA Linnaeus - **Sheep's-bit**. 2n = 12.
Roadsides, sandy banks, fields, waste places, often in sandy soil. From Eurasia.

JUGLANS (Family: Juglandaceae)

JUGLANS AILANTIFOLIA Carrière - **Japanese Walnut**. 2n = 32.
Thickets, roadsides. From Japan, Sakhalin, Russia. [*J. MANDSHURICA* Maximowicz var. *SACHALINENSIS* (Miyabe & Kudo) Kitamura; *J. SIEBOLDIANA* Maximowicz]





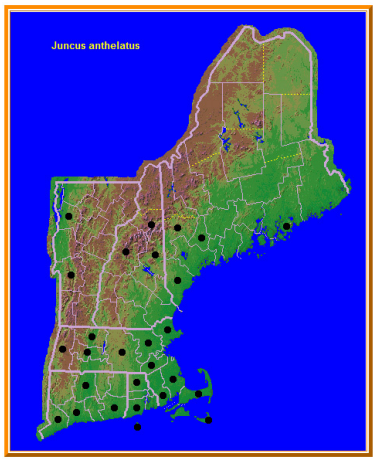


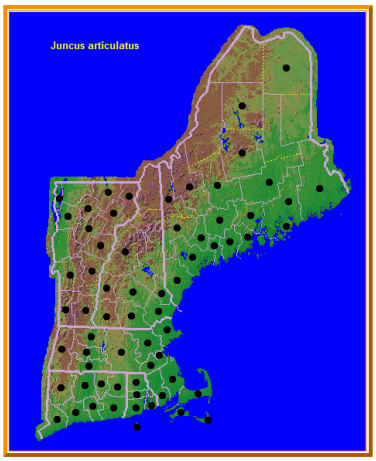
Juglans cinerea Linnaeus - **Butternut**. 2n = 32.
Roadsides, rich woods, river terraces and valleys, rocky slopes.

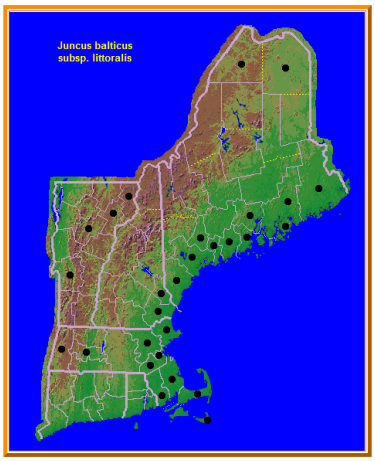
Juglans nigra Linnaeus - **Black Walnut**. 2n = 32.
Rich woods.

JUNCUS (Family: Juncaceae)

Juncus alpinoarticulatus Chaix - **Alpine Rush**. 2n = 40.
Shores, meadows, usually basic. [*J. alpinus* Villars; *J. alpinus* var. *fuscescens* Fernald; *J. alpinus* var. *rariflorus* Hartmann]



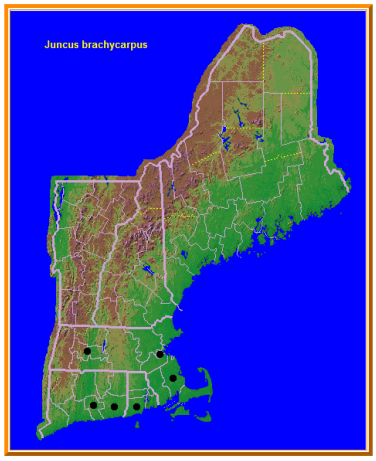


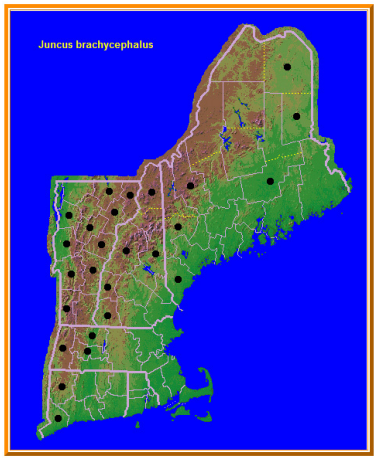


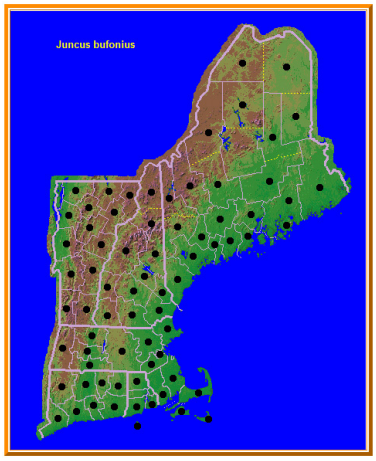
Juncus anthelatus (Wiegand) R.E. Brooks - . 2n = 80.
Moist sandy or clay soils. [*J. tenuis* Willdenow var. *anthelatus* Wiegand]

Juncus articulatus Linnaeus - . 2n = (40), 80.
Shores, springy spots, ditches. [*J. articulatus* var. *obtusatus* Engelmann]

Juncus balticus Willdenow subsp. ***littoralis*** (Engelmann) Snogerup - **Wire Rush**. 2n = ?
Sandy shores, sphagnous meadows. [*J. arcticus* Willdenow var. *balticus* (Willdenow) Trautvetter]



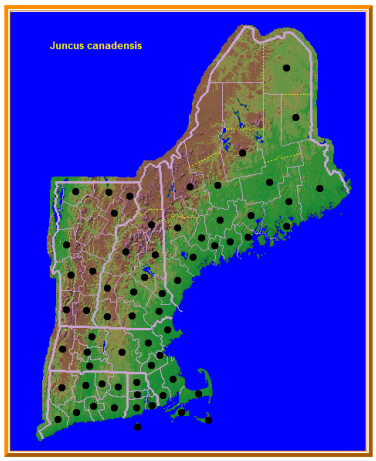


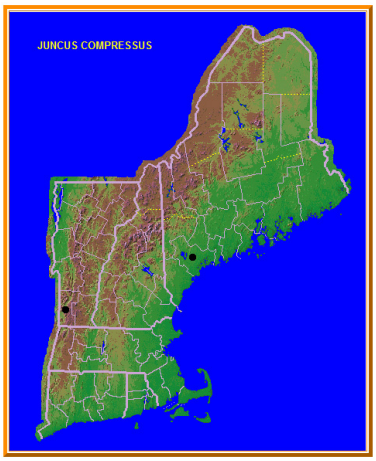


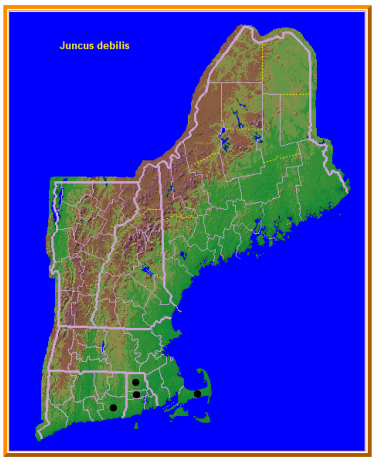
Juncus brachycarpus Engelmann - . 2n = 44.
Salt marshes, ocean beaches.

Juncus brachycephalus (Engelmann) Buchenau - . 2n = 80.
Basic shores, marshes, meadows, swamps.

Juncus bufonius Linnaeus - **Toad Rush**. 2n = 80, 106, 108.
Shores, salt marshes, roadsides, moist to wet borrow pits. [*J. bufonius* var. *halophilus* Buchenau & Fernald]



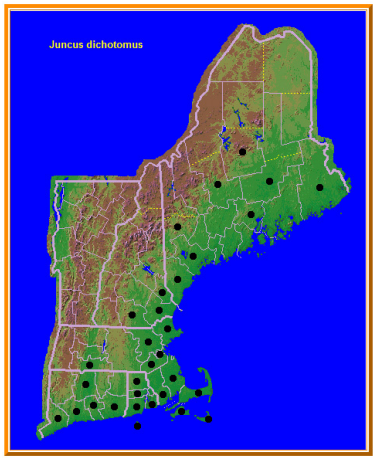


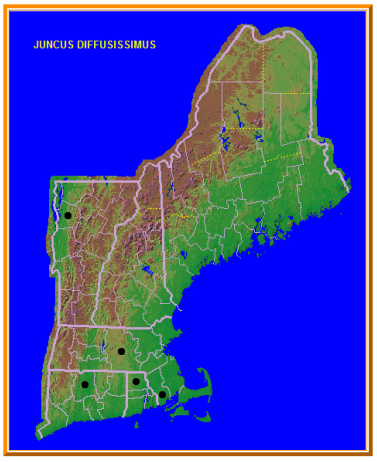


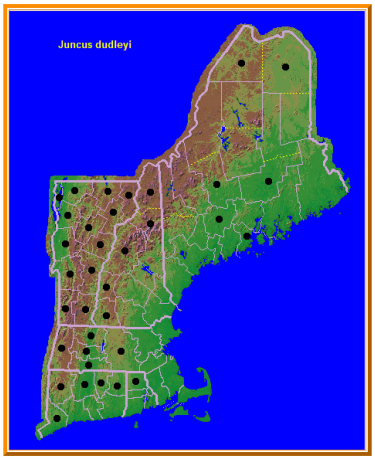
Juncus canadensis J. Gay *ex* Laharpe - . 2n = 80.
Shores, swamps, marshes, meadows. [*J. canadensis* var. *sparsiflorus* Fernald]

JUNCUS COMPRESSUS Jacquin - . 2n = 44.
Disturbed wet ground, especially ditches, roadsides, frequently saline or basic soils. From Europe.

Juncus debilis A. Gray - . 2n = ?
Ditches, pools, shores.



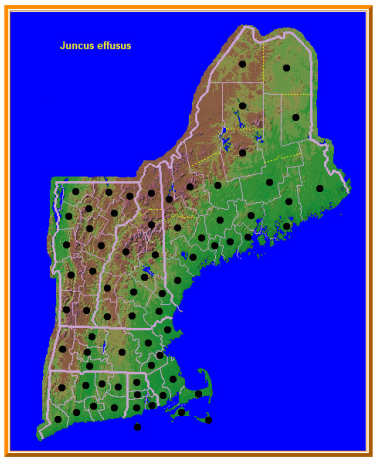


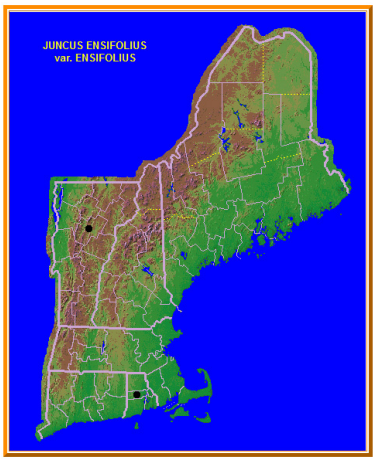


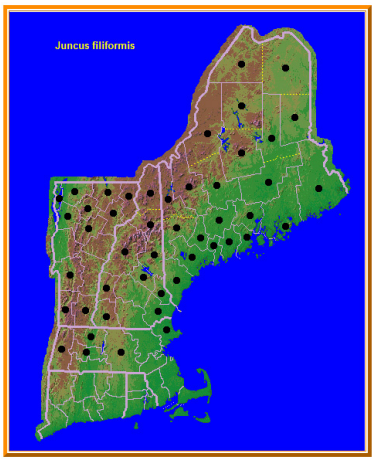
Juncus dichotomus Elliott - . 2n = ca. 80.
Sandy or sphagnous shores, salt marsh borders. [*J. platyphyllus* (Wiegand) Fernald; *J. tenuis* Willdenow var. *dichotomus* (Elliott) Alph. Wood]

JUNCUS DIFFUSISSIMUS Buckley - . 2n = ?
Waste places, shores, typically in sandy, wet soil. Probably from South America.

Juncus dudleyi Wiegand - . 2n = 42, 80, ca. 84.
Shores, boggy meadows, in basic soils. [*J. tenuis* Willdenow var. *dudleyi* (Wiegand) F.J. Hermann]



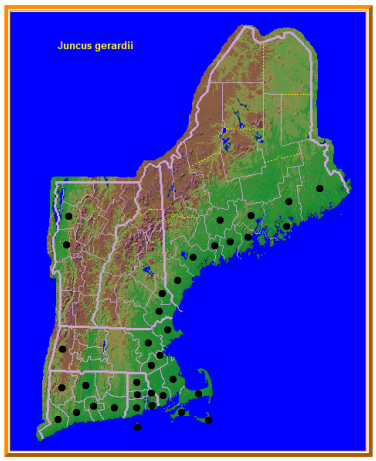


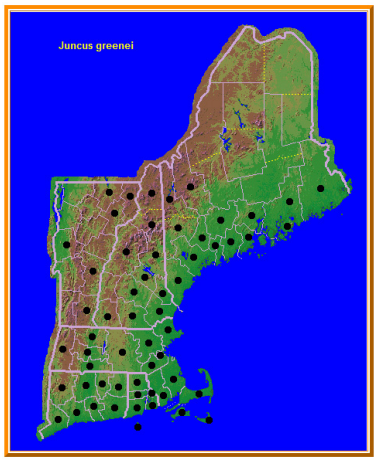


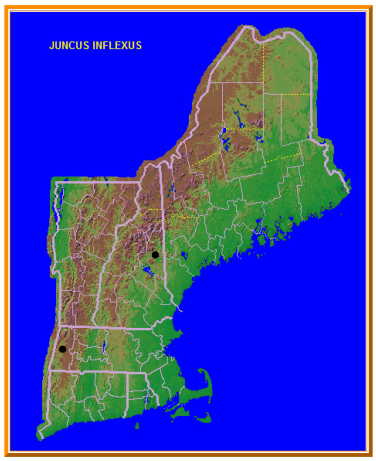
Juncus effusus Linnaeus - **Tufted Rush**. 2n = (5), 40, 42.
Marshy ground, low spots. [*J. effusus* var. *compactus* misapplied; *J. effusus* var. *conglomeratus* (Linnaeus) Engelmann invalid name; *J. effusus* var. *costulatus* Fernald; *J. effusus* var. *decipiens* Buchenau; *J. effusus* var. *pylaei* (Laharpe) Fernald & Wiegand; *J. effusus* subsp. *solutus* (Fernald & Wiegand) Hämet-Ahti; *J. effusus* var. *solutus* Fernald & Wiegand; *J. conglomeratus* Linnaeus; *J. pylaei* Laharpe]

JUNCUS ENSIFOLIUS Wikström var. ***ENSIFOLIUS*** - . 2n = 40.
Disturbed wet ground, especially ditches, roadsides. From farther west.

Juncus filiformis Linnaeus - . 2n = (40), (70), (80), 84.
Shores, swamps, bogs, alpine meadows.



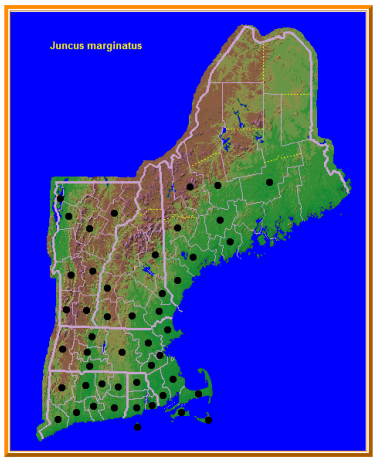


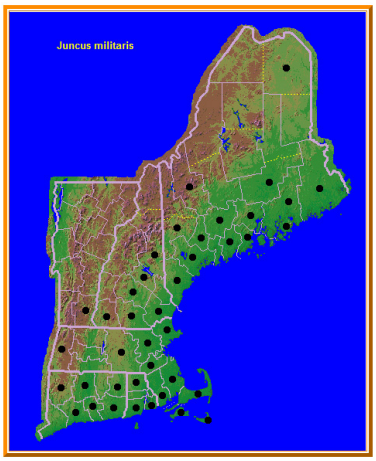


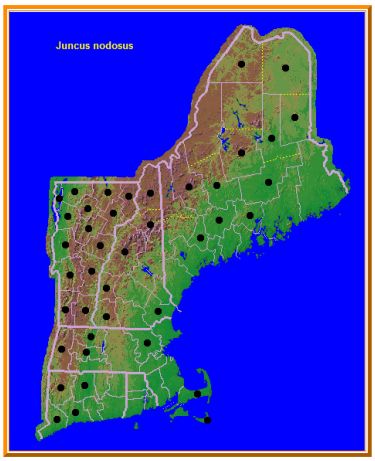
Juncus gerardii Loiseleur-Deslongchamps - **Black Grass**. 2n = 80, 84.
Salt marshes. [*J. gerardii* var. *pedicellatus* Fernald]

Juncus greenei Oakes & Tuckerman - . 2n = 80.
Dry, open places, usually well-drained, sandy soil. In pine lands near lake shores, dunes.

JUNCUS INFLEXUS Linnaeus - . 2n = 20, (38), 40, (80).
Meadows, damp roadsides. From Eurasia and northern Africa.



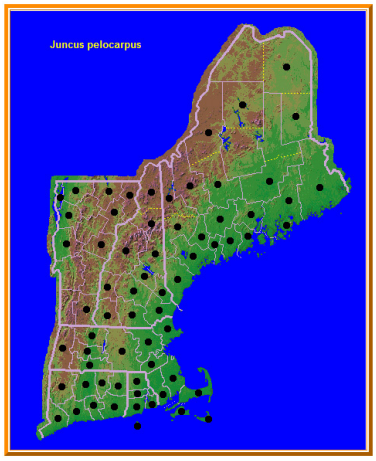


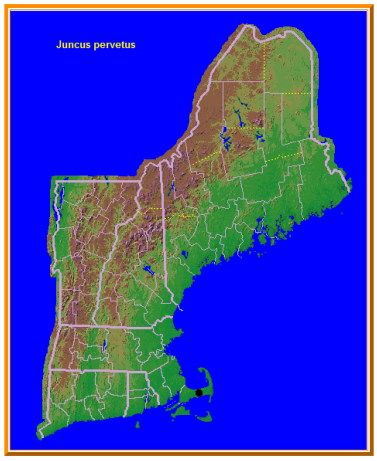


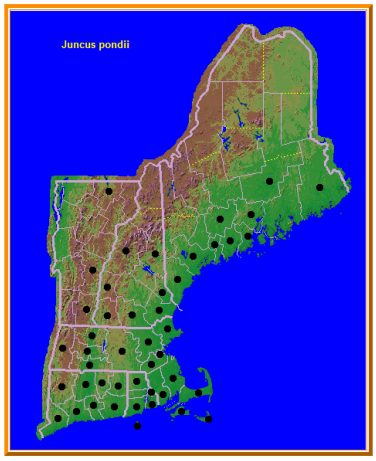
Juncus marginatus Rostkovius - **Grass Rush**. 2n = (38), 40.
Sandy pond margins, wet meadows. [*J. biflorus* Elliott]

Juncus militaris Bigelow - **Bayonet Rush**. 2n = ?
Shallow water of ponds and streams with sandy, gravelly or sphagnous margins.

Juncus nodosus Linnaeus - . 2n = 40.
Shores, marshes, meadows, swamps, especially basic soils.



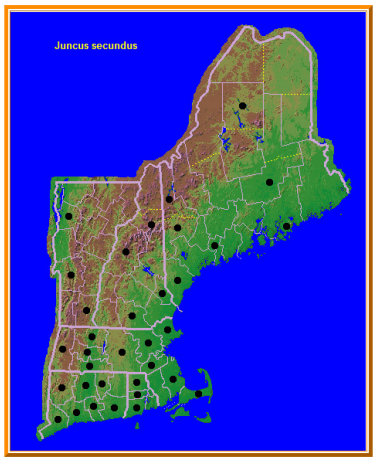


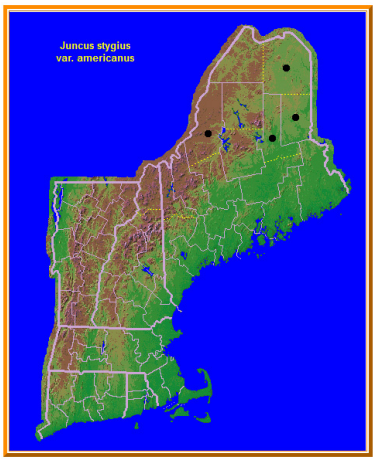


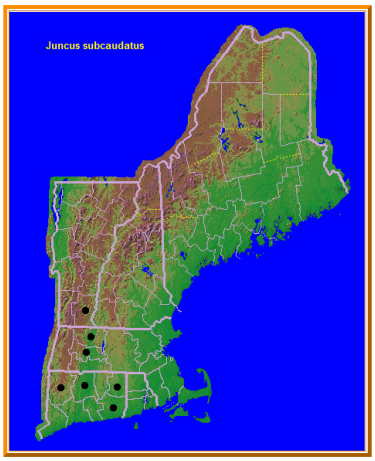
Juncus pelocarpus E. Meyer - . 2n = 40.
Sandy shores, marshes, ditches.

Juncus pervetus Fernald - . 2n = ?
Salt marsh borders. [*J. SUBNODULOSUS* Schrank misapplied] Note: This taxon is possibly of hybrid origin. Only historical collections with aborted seeds are known.

Juncus pondii Alph. Wood - . 2n = 40.
Tidal mud flats, salt marsh borders, ditches, shores, meadows. [*J. acuminatus* Michaux -- invalid name]



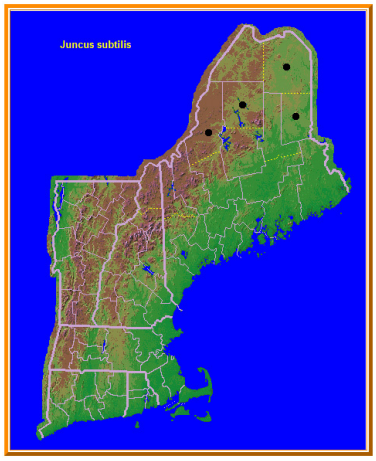


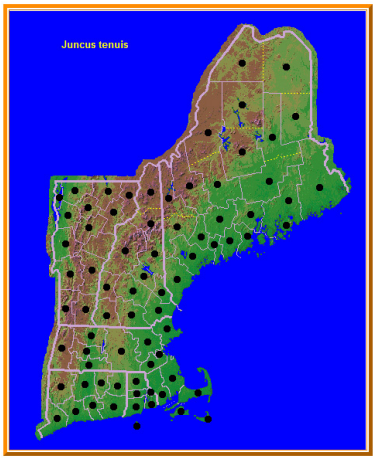


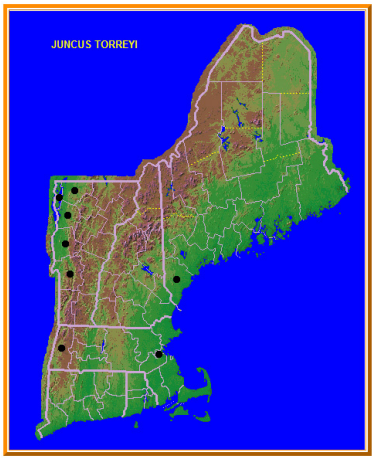
Juncus secundus P. Beauvois *ex* Poiret - . 2n = ca. 80.
Ledges, dry, open, sterile soils.

Juncus stygius Linnaeus var. ***americanus*** Buchenau - . 2n = ?
Bogs, bog pools.

Juncus subcaudatus (Engelmann) Coville & S. F. Blake - . 2n = ?
Swamps, bogs, shaded spring-heads, mossy woods.



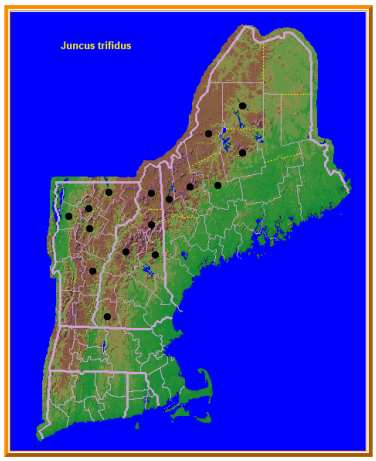


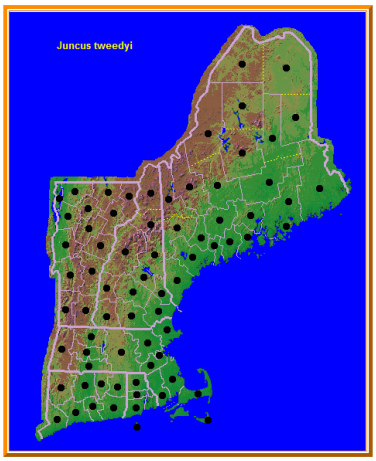


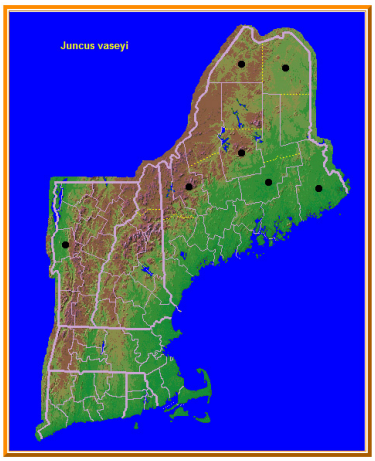
Juncus subtilis E. Meyer - **Creeping Rush**. 2n = 40.
Muddy shores.

Juncus tenuis Willdenow - **Path Rush**. 2n = (40), (80), 84.
Roadsides, paths. [*J. tenuis* var. *williamsii* Fernald]

JUNCUS TORREYI Coville - . 2n = 40.
Shores, ditches, roadsides. From farther west and south.



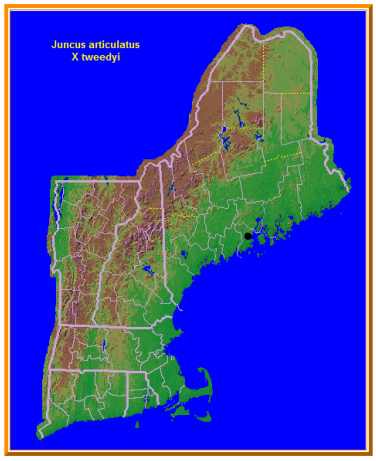


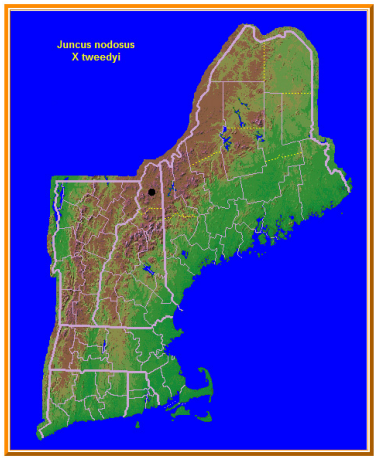


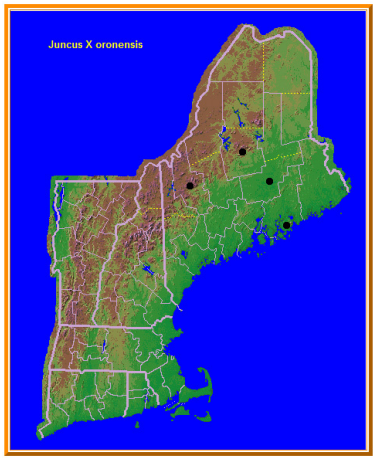
Juncus trifidus Linnaeus - **Highland Rush**. 2n = 30, (40).
Exposed, rocky or sterile summits. [*J. trifidus* var. *monanthos* misapplied]

Juncus tweedyi Rydberg - . 2n = 80.
Shores, bogs, marshes. [*J. brevicaudatus* (Engelmann) Fernald -- invalid name]

Juncus vaseyi Engelmann - . 2n = 42, ca. 80.
Swamps, shores, thickets.





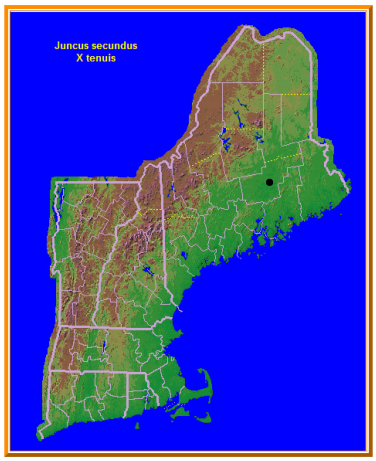


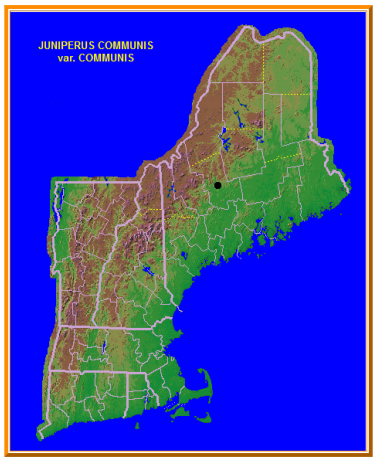
JUNCUS hybrids

Juncus articulatus Linnaeus X ***J. tweedyi*** Rydberg - .

Juncus nodosus Linnaeus X ***J. tweedyi*** Rydberg - .

Juncus X ***oronensis*** Fernald (*pro species*) - .
Alder swamps, thickets. [*J. tenuis* Willdenow X *J. vaseyi* Engelmann ?]



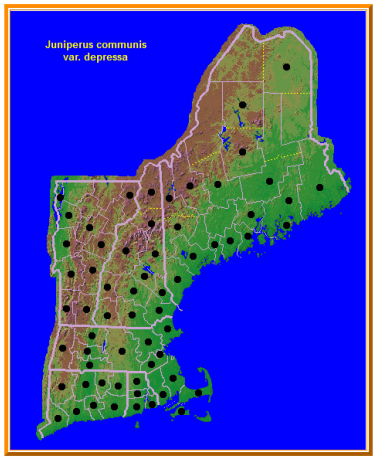


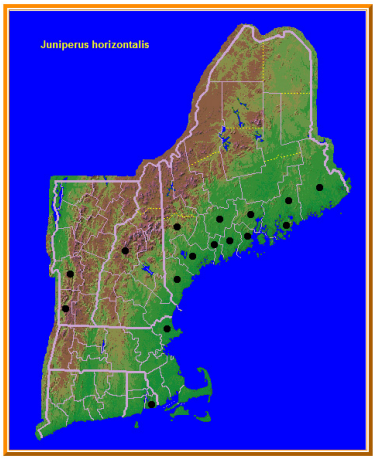
Juncus secundus P. Beauvois *ex* Poiret X ***J. tenuis*** Willdenow - .

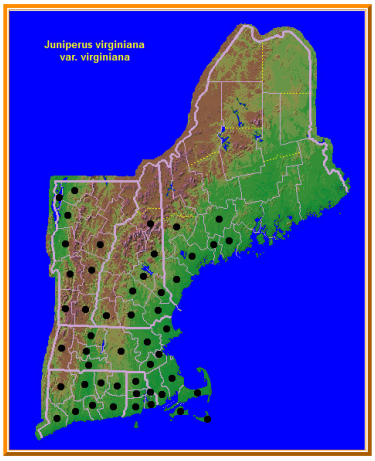
Juncus tenuis Willdenow X ***J. vaseyi*** Engelmann - .

JUNIPERUS (Family: Cupressaceae)

JUNIPERUS COMMUNIS Linnaeus var. ***COMMUNIS*** Pursh - **Common Juniper**. 2n = 22.
Woodland clearings, cemeteries. From Eurasia.



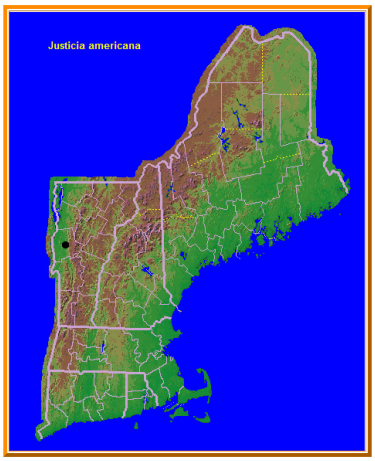




Juniperus communis Linnaeus var. ***depressa*** Pursh - **Ground Juniper**. 2n = 22.
Poor soils in open areas, especially old pastures and ledges, persisting in recent woodlands. Note: Larger individuals have been misidentified as var. *COMMUNIS*.

Juniperus horizontalis Moench - **Creeping Juniper**. 2n = 22.
Ledges, sandy or rocky banks.

Juniperus virginiana Linnaeus var. ***virginiana*** - **Eastern Red Cedar**. 2n = 22.
Mostly dry, open sites (typically old fields), rocky slopes, borders of salt marshes, persisting in recent woodlands. [*J. virginiana* var. *crebra* Fernald & Griscom]



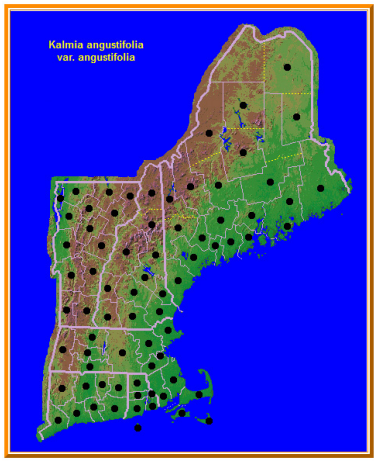
***Juniperus* hybrids**

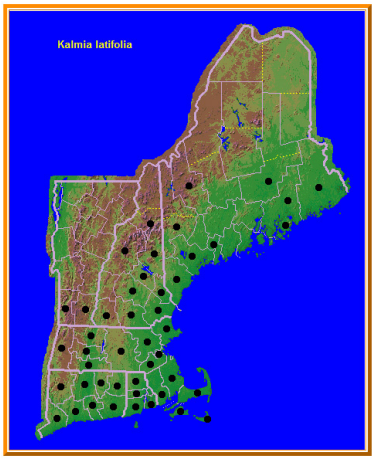
Juniperus communis Linnaeus var. ***depressa*** Pursh X ***J. virginiana*** Linnaeus var. ***virginiana***.

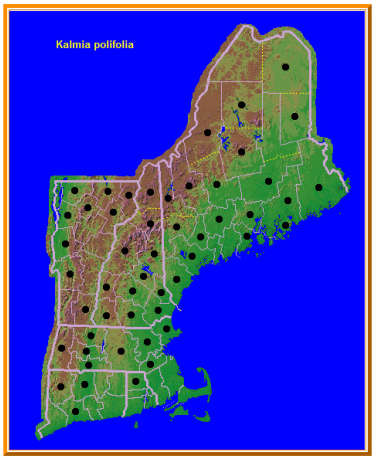
Juniperus horizontalis Moench X ***J. virginiana*** Linnaeus var. ***virginiana***.

JUSTICIA (Family: Acanthaceae)

Justicia americana (Linnaeus) Vahl - . 2n = 26.
Margins or shallow beds of streams.





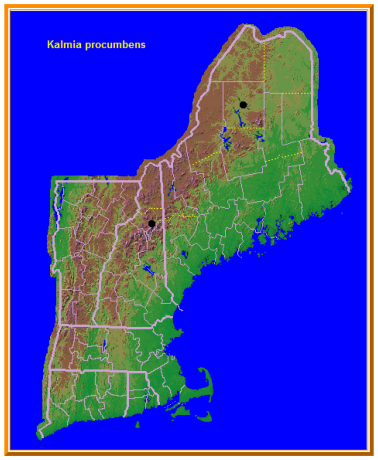


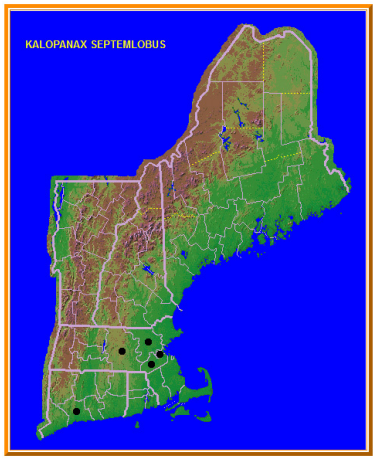
KALMIA (Family: Ericaceae)

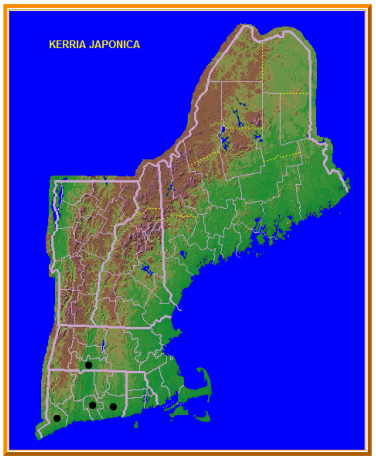
Kalmia angustifolia Linnaeus var. ***angustifolia*** - **Sheep Laurel**. 2n = 24.
Wet or dry, acidic, open soil, *Sphagnum* bogs, rock ledges.

Kalmia latifolia Linnaeus - **Mountain Laurel**. 2n = 24.
Acidic, rocky or sandy, deciduous woods, thickets.

Kalmia polifolia Wangenheim - **Bog Laurel**. 2n = 48.
Sphagnum bogs, exposed, rocky areas at high elevations.







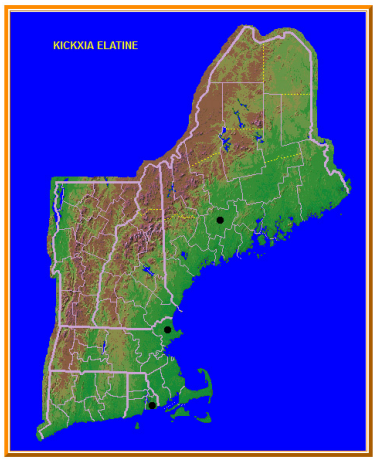
Kalmia procumbens (Linnaeus) Gift, Kron & P.F. Stevens *ex* Galasso, Banfi, & F. Conti - **Alpine Azalea**. 2n = 24.
Alpine areas. [*Loiseleuria procumbens* (Linnaeus) Desvaux]

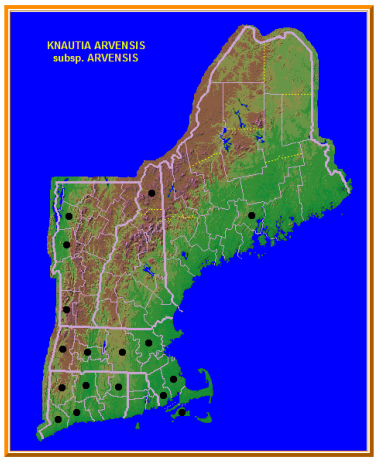
KALOPANAX (Family: Araliaceae)

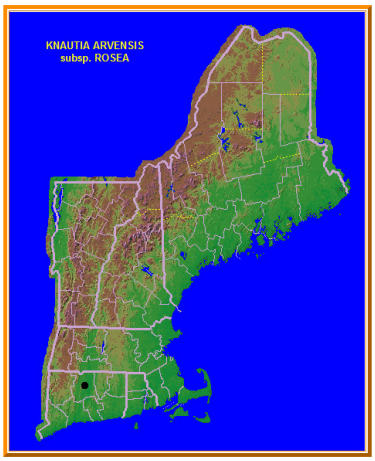
KALOPANAX SEPTEMLOBUS (Thunberg) Koidzumi - **Castor Aralia**. 2n = 48.
Moist or rich woodlands, woodland margins. From eastern Asia. [*K. PICTUS* (Thunberg) Nakai]

KERRIA (Family: Rosaceae)

KERRIA JAPONICA (Linnaeus) de Candolle - **Japanese Rose**. 2n = 18.
Roadsides. From eastern Asia.







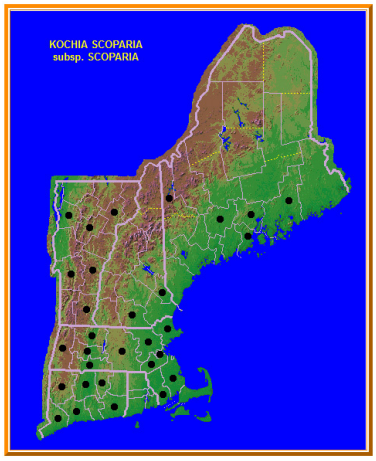
KICKXIA (Family: Plantaginaceae)

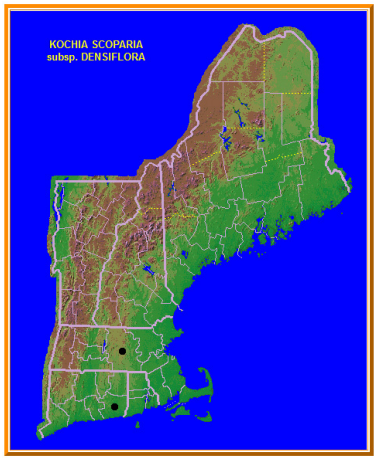
KICKXIA ELATINE (Linnaeus) Dumortier - . 2n = 36.
Waste places, in dry, open clay. From Eurasia, northern Africa.

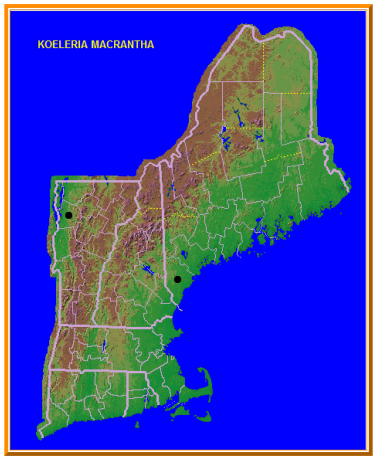
KNAUTIA (Family: Caprifoliaceae)

KNAUTIA ARVENSIS (Linnaeus) Coulter subsp. ***ARVENSIS*** - **Bluebuttons**. 2n = 20, 40.
Fields, roadsides, waste places. From Eurasia.

KNAUTIA ARVENSIS (Linnaeus) Coulter subsp. ***ROSEA*** (Baumgarten) Soó - . 2n = ?
Waste places. From Europe. [*K. DUMETORUM* Heuff]







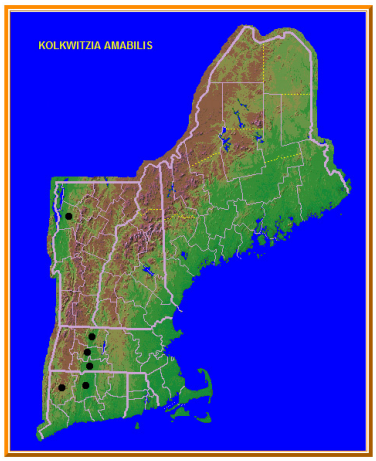
KOCHIA (Family: Amaranthaceae)

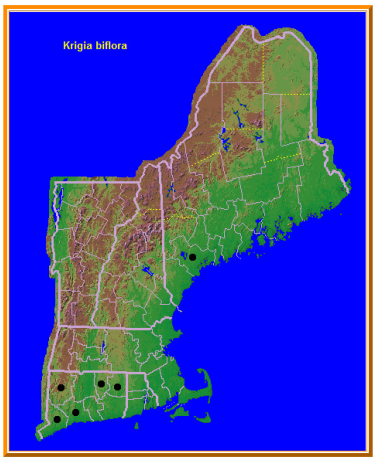
KOCHIA SCOPARIA (Linnaeus) Schrader subsp. ***SCOPARIA*** - **Summer-cypress**. 2n = 18.
Roadsides, waste places. From Eurasia. [*K. SCOPARIA* var. *CULTA* (Voss) Farwell; *BASSIA SCOPARIA* (Linnaeus) A.J. Scott]

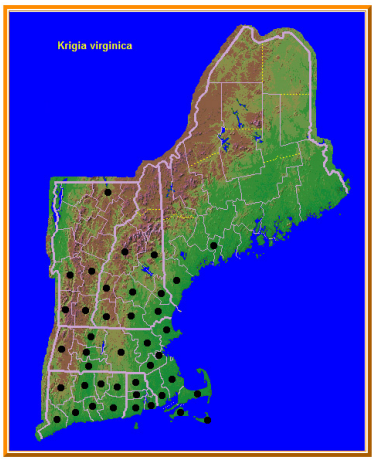
KOCHIA SCOPARIA (Linnaeus) Schrader subsp. ***DENSIFLORA*** (Turczaninow *ex* Moquin-Tandon) Aellen - . 2n = 18.
Freight yards, wool waste. From Asia. [*K. SCOPARIA* var. *PUBESCENS* Fenzl; *K. SCOPARIA* var. *SUBVILLOSA* Moquin-Tandon; *K. SIEVERSIANA* (Pallas) C. S. Meyer - misapplied in part]

KOELERIA (Family: Poaceae)

KOELERIA MACRANTHA (Ledebour) Schultes - **Junegrass**. 2n = 14, 28.
Dry soil, sands, open woods, roadsides. From farther west. [*K. CRISTATA* (Linnaeus) Bertoloni - illegitimate name; *K. PYRAMIDATA* - misapplied]







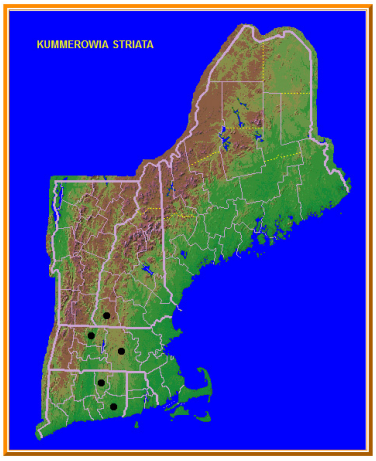
KOLKWITZIA (Family: Caprifoliaceae)

KOLKWITZIA AMABILIS Graebner - **Beautybush**. 2n = 32.
Riverbanks, thickets, roadsides, sandplain scrub, floodplain woods. From China.

KRIGIA (Family: Asteraceae)

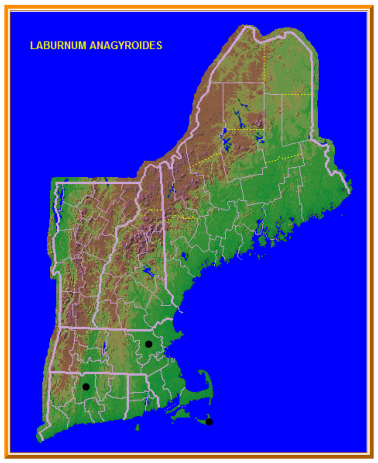
Krigia biflora (Walter) S.F. Blake - . 2n = 10, 20.
Fields, meadows, woods.

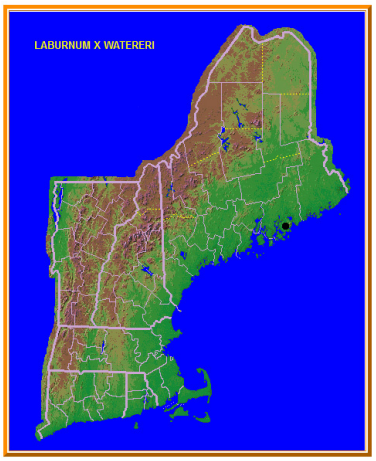
Krigia virginica (Linnaeus) Willdenow - . 2n = 10, 20.
Dry fields, rock outcrops, sandy woods and roadsides.

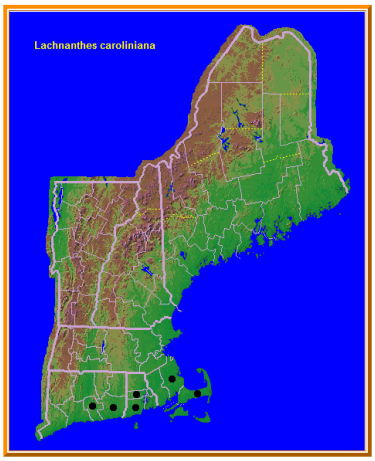


KUMMEROWIA (Family: Fabaceae)

KUMMEROWIA STRIATA (Thunberg) Schindler - **Japanese Clover**. 2n = 22.
Sandy roadsides, gravel pits. From eastern Asia. [*Lespedeza striata* (Thunberg) Hooker & Arnott]







LABURNUM (Family: Fabaceae)

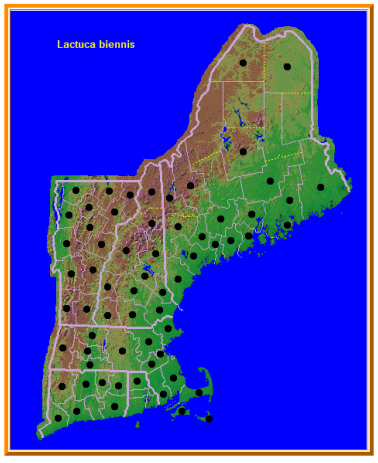
LABURNUM ANAGYROIDES Medikus - **Golden Chain-tree**. 2n = (42), 48, (50).
Woodland margins. From Europe.

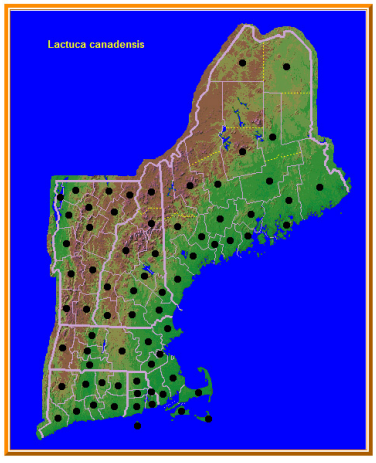
***Laburnum* hybrid**

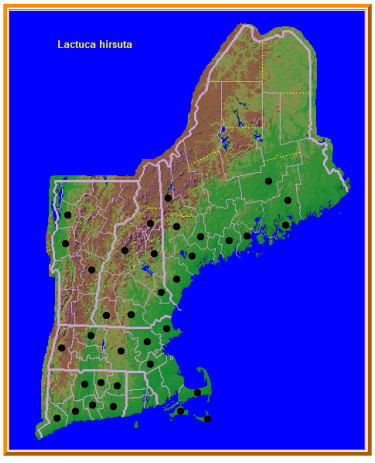
LABURNUM X ***WATERERI*** (Wettstein) Dippel - .
[*L. ALPINUM* (Miller) J. Presl X *L. ANAGYROIDES* Medikus]

LACHNANTHES (Family: Haemodoraceae)

Lachnanthes caroliniana (Lamarck) Dandy - **Redroot**. 2n = 48.
Sandy or sphagnous pond shores. [*L. tinctoria* (J.F. Gmelin) Elliott]





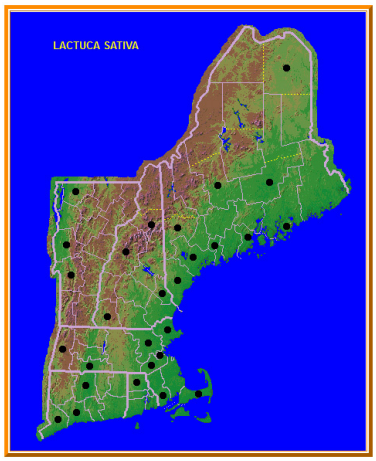


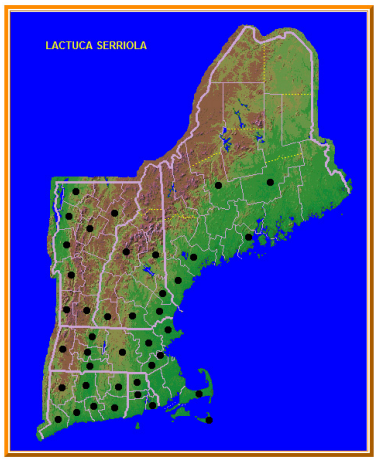
LACTUCA (Family: Asteraceae)

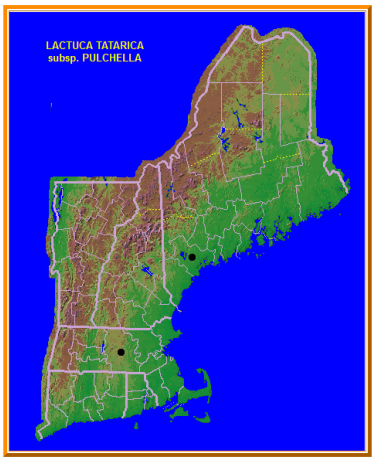
Lactuca biennis (Moench) Fernald - **Tall Blue Lettuce**. 2n = 34.
Rich or damp, open woods, clearings, thickets.

Lactuca canadensis Linnaeus - **Wild Lettuce**. 2n = 34.
Thickets, woods borders, open woods, meadows, fields, clearings, roadsides. [*L. canadensis* var. *latifolia* Kuntze; *L. canadensis* var. *longifolia* (Michaux) Farwell; *L. canadensis* var. *obovata* Wiegand]

Lactuca hirsuta Muhlenberg *ex* Nuttall - . 2n = 34.
Dry, open woods, clearings. [*L. hirsuta* var. *sanguinea* (Bigelow) Fernald]



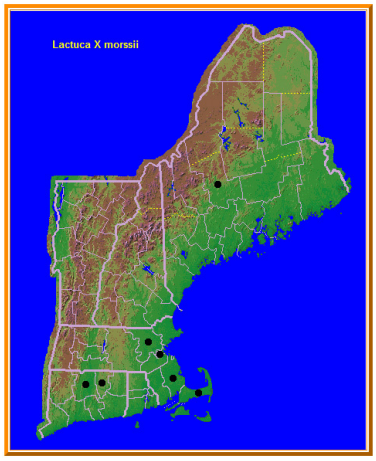


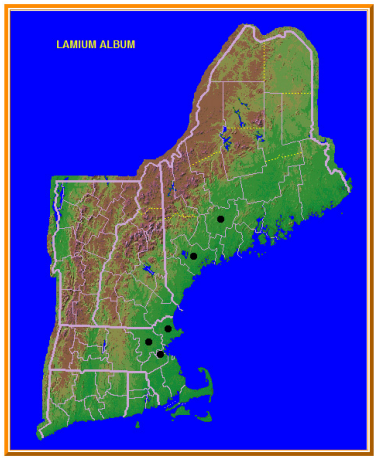


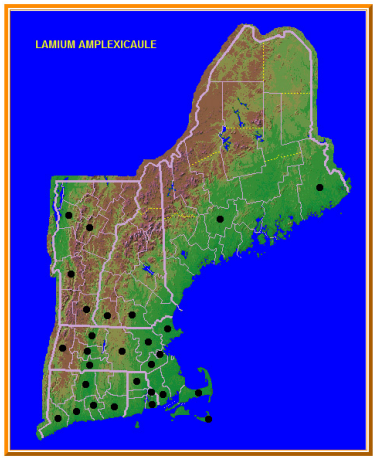
LACTUCA SATIVA Linnaeus - **Garden Lettuce**. 2n = 18.
Waste places. From Eurasia.

LACTUCA SERRIOLA Linnaeus - **Prickly Lettuce**. 2n = 18.
Waste places, roadsides. From Eurasia, northern Africa. [*L. SCARIOLA* Linnaeus - illegitimate name]

LACTUCA TATARICA (Linnaeus) C.A. Meyer subsp. ***PULCHELLA*** (Pursh) Stebbins - **Blue Lettuce**. 2n = (9), 18, (34).
[*L. PULCHELLA* (Pursh) de Candolle; *MULGEDIUM PULCHELLUM* (Pursh) G. Don]







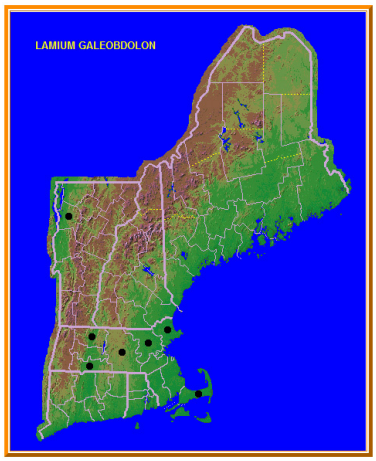
***Lactuca* hybrid**

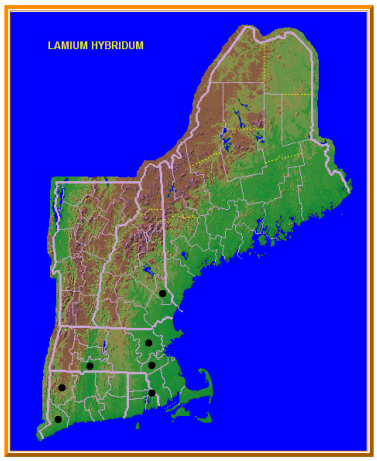
Lactuca X ***morssii*** B.L. Robinson (*pro species*) - .
[*L. biennis* (Moench) Fernald X *L. canadensis* Linnaeus]

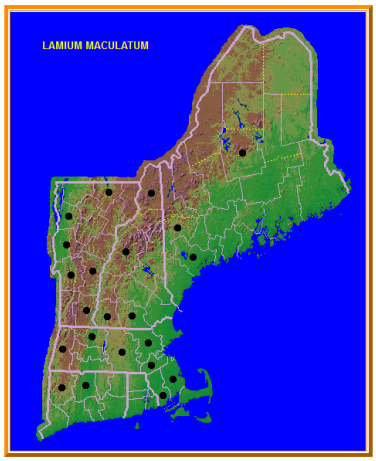
LAMIUM (Family: Lamiaceae)

LAMIUM ALBUM Linnaeus - **Snowflake**. 2n = 18.
Waste places, roadsides, fields. From Eurasia.

LAMIUM AMPLEXICAULE Linnaeus - **Henbit**. 2n = 18.
Waste places, roadsides, fields. From Eurasia, northern Africa.



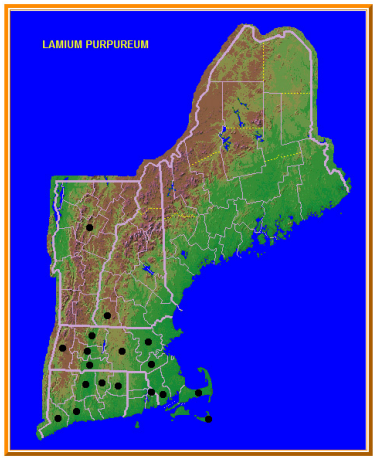


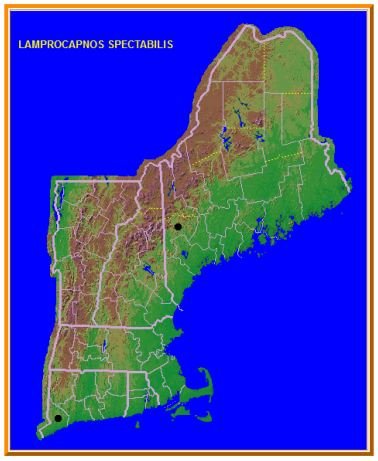


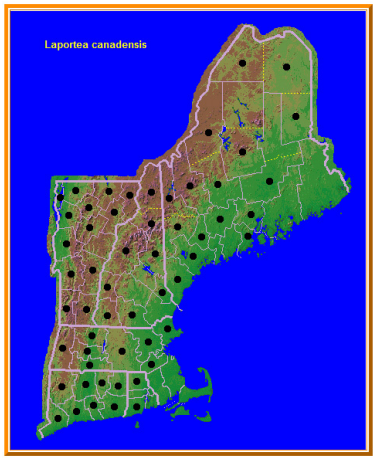
LAMIUM GALEOBDOLON (Linnaeus) Linnaeus - . 2n = 18, (36).
Roadside thickets, *Quercus* woodlands. From Eurasia.

LAMIUM HYBRIDUM Villars - . 2n = ?
Waste places, roadsides. From Eurasia, northwestern Africa. [*L. PURPUREUM* Linnaeus var. *INCISUM* (Willdenow) Persoon]

LAMIUM MACULATUM Linnaeus - . 2n = 18.
Roadsides, waste places. From Eurasia.







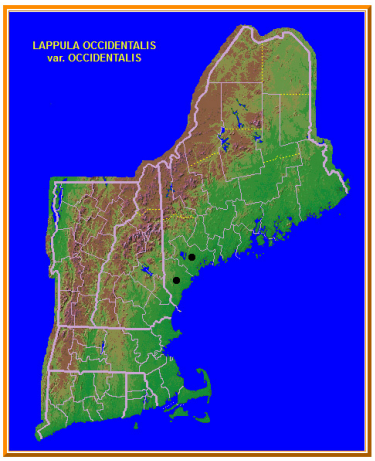
LAMIUM PURPUREUM Linnaeus - **Purple Dead-nettle**. 2n = 18.
Waste places, roadsides, fields. From Eurasia, northwestern Africa.

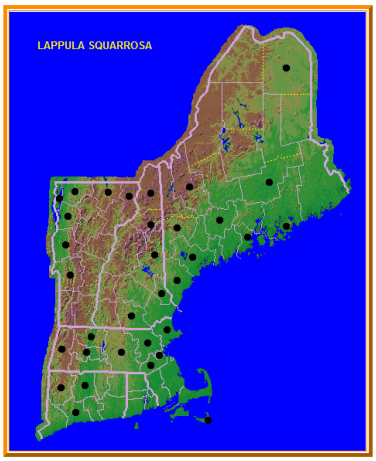
LAMPROCAPNOS (Family: Papaveraceae)

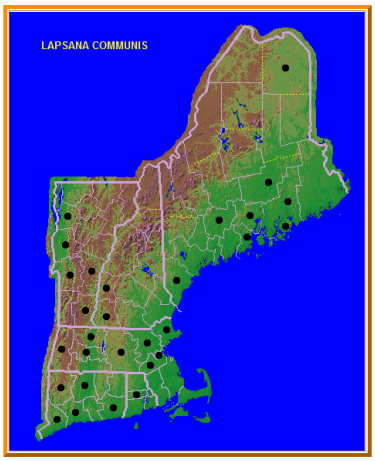
LAMPROCAPNOS SPECTABILIS (Linnaeus) Fukuhara - **Bleeding Heart**. 2n = 16.
Waste areas. From eastern Asia. [*DICENTRA SPECTABILIS* (Linnaeus) Lemaire]

LAPORTEA (Family: Urticaceae)

Laportea canadensis (Linnaeus) Weddell - **Wood-nettle**. 2n = 26.
Low, rich, moist woods, stream banks.







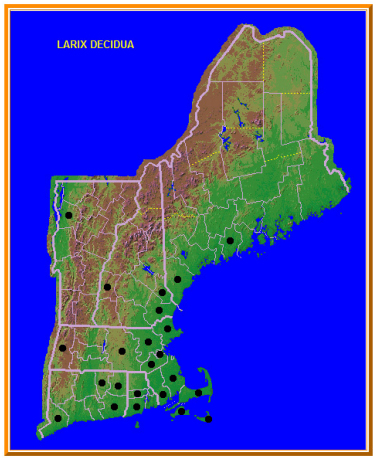
LAPPULA (Family: Boraginaceae)

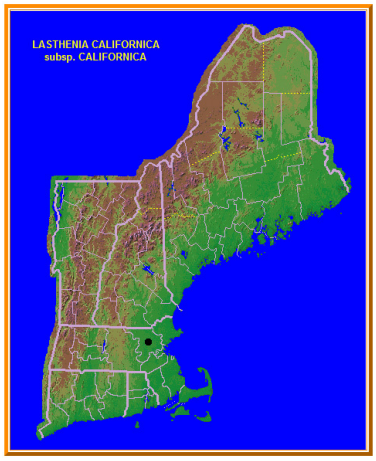
LAPPULA OCCIDENTALIS (S. Watson) Greene var. ***OCCIDENTALIS*** - **Western Stickseed**. 2n = 48.
Waste places, fields, wool waste. From western North America. [*L. REDOWSKI* misapplied]

LAPPULA SQUARROSA (Retzius) Dumortier - **Bur Forget-me-not**. 2n = 48.
Roadsides, waste places, fields. From Eurasia. [*L. ECHINATA* Gilibert, invalid name]

LAPSANA (Family: Asteraceae)

LAPSANA COMMUNIS Linnaeus - **Nipplewort**. 2n = (12), 14, 16.
Waste places, roadsides, rich woods. From Eurasia.





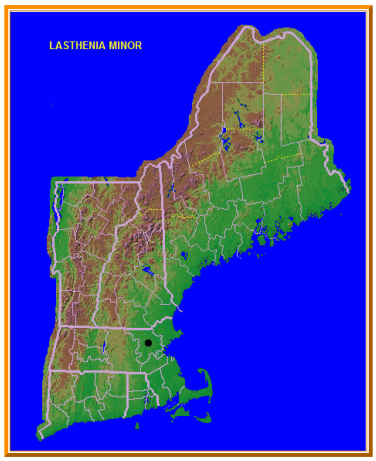
LARIX (Family: Pinaceae)

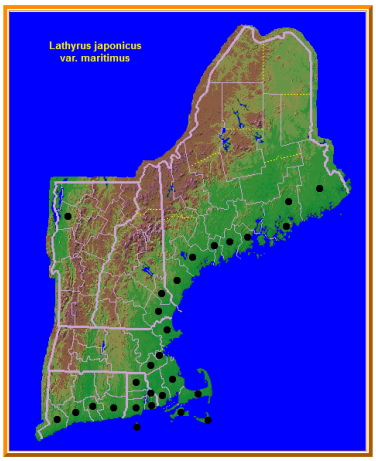
LARIX DECIDUA Miller - **European Larch**. 2n = 24, (48).
Near habitations in moist woods and clearings. From Europe.

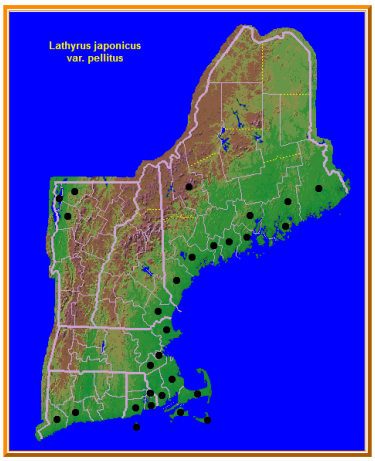
Larix laricina (Du Roi) K. Koch - **Tamarack**. 2n = 24.
Northward in poorly drained lowlands, swamps, bogs, shaded hillsides, sometimes to tree line on mountain slopes; southward in cold swamps and bogs.

LASTHENIA (Family: Asteraceae)

LASTHENIA CALIFORNICA de Candolle *ex* Lindley subsp. ***CALIFORNICA*** - . 2n = (8), (10), 16, 32.
Wool waste. From farther west. [*L. CHRYSOTOMA* (Fischer & C.A. Meyer) Greene; *BAERIA CHRYSOTOMA* Fischer & C.A. Meyer]





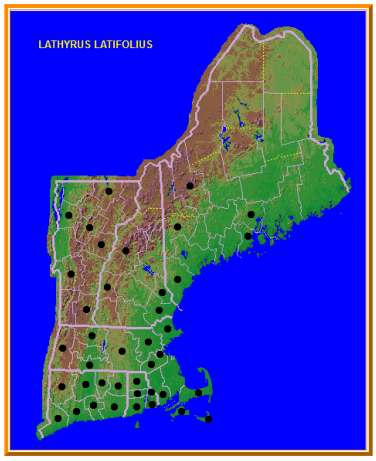


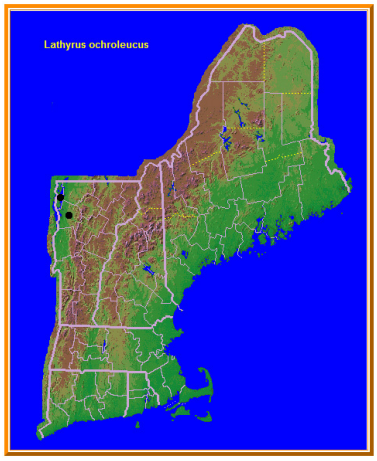
LASTHENIA MINOR (de Candolle) Ornduff - **Coastal Goldfields**. 2n = 8.
Wool waste. From farther west. [*BAERIA MINOR* (de Candolle) Ferris]

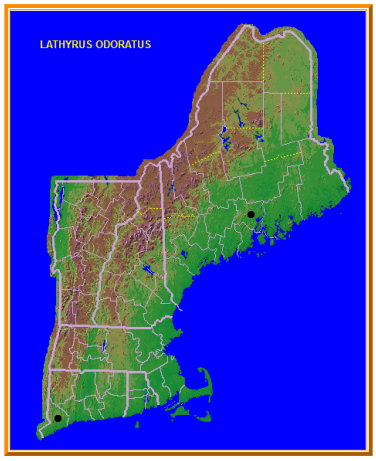
LATHYRUS (Family: Fabaceae)

Lathyrus japonicus Willdenow var. ***maritimus*** (Linnaeus) Kartesz & Gandhi - **Beach Pea**. 2n = 14.
Sea beaches, gravelly sea shores, sandy or gravelly shores of Lake Champlain. [*L. japonicus* var. *glaber* (Seringe) Fernald; *L. maritimus* Bigelow var. *maritimus*; *L. maritimus* var. *glaber* (Seringe) Eames]

Lathyrus japonicus Willdenow var. ***pellitus*** Fernald - . 2n = 14.
Sea beaches, gravelly sea shores, sandy or gravelly shores of Lake Champlain. [*L. maritimus* Bigelow var. *pellitus* (Fernald) Gleason]



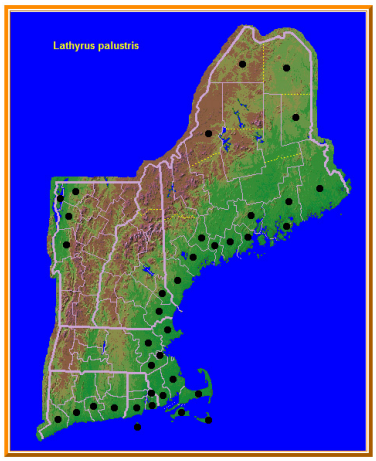


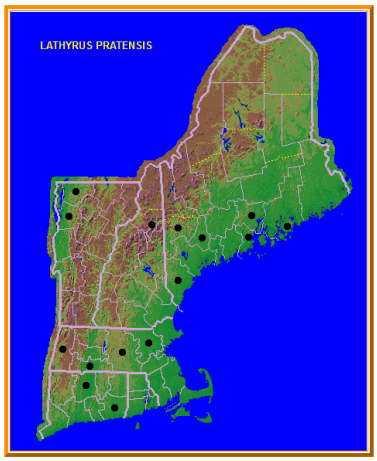


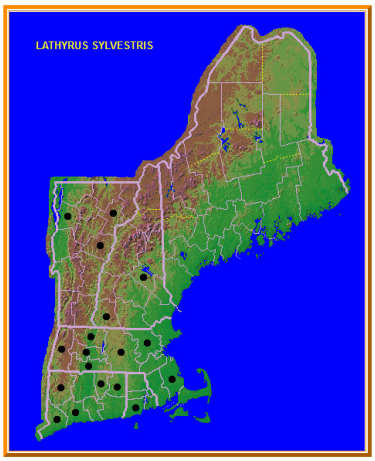
LATHYRUS LATIFOLIUS Linnaeus - **Everlasting Pea**. 2n = 14.
Roadsides, waste places, fields, thickets. From Europe, northern Africa.

Lathyrus ochroleucus Hooker - **Pale Vetchling**. 2n = 14.
Dry or rocky banks and bluffs.

LATHYRUS ODORATUS Linnaeus - **Sweet Pea**. 2n = 14, (28).
Waste places. From southern Italy.



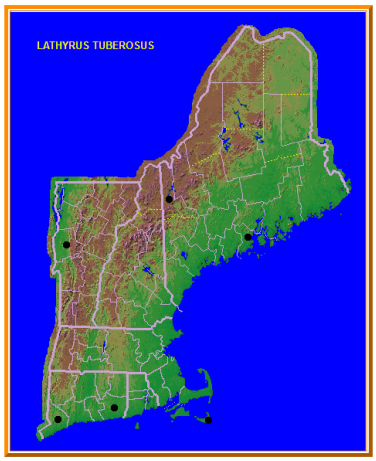


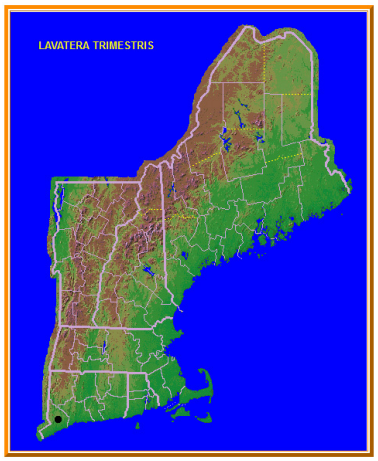


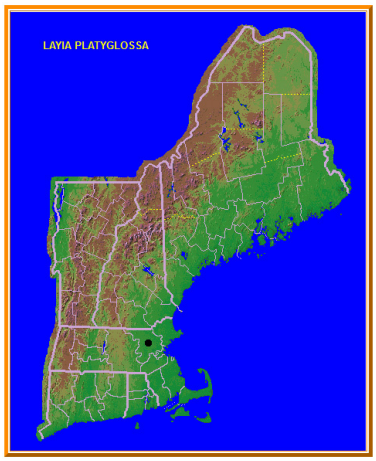
Lathyrus palustris Linnaeus - **Marsh Vetchling**. 2n = 14, (28), 42.
Riverbanks, salt marshes, shores, meadows, swamps, damp thickets, beach bluffs. [*L. palustris* var. *linearifolius* Seringe; *L. palustris* var. *macranthus* (T.G. White) Fernald; *L. palustris* var. *myrtifolius* (Muhlenberg *ex* Willdenow) A. Gray; *L. palustris* var. *pilosus* (Chamisso) Ledebour]

LATHYRUS PRATENSIS Linnaeus - **Yellow Vetchling**. 2n = (7), (8), (9), (12), 14, (16), (21), 28, (42).
Fields, roadsides, railroads, waste places, meadows, shores. From Eurasia, northern Africa.

LATHYRUS SYLVESTRIS Linnaeus - **Flat Pea**. 2n = 14.
Field borders, thickets, roadsides, waste places. From Eurasia, northern Africa.







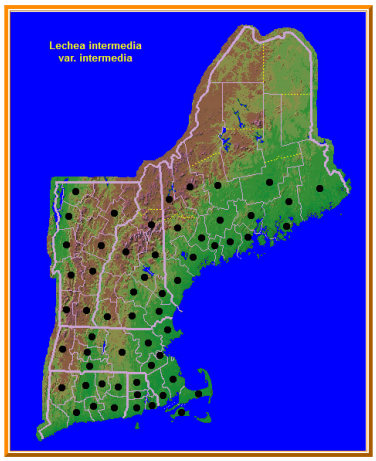
LATHYRUS TUBEROSUS Linnaeus - **Earthnut Pea**. 2n = 14.
Fields, meadows, roadsides, railroads. From Eurasia.

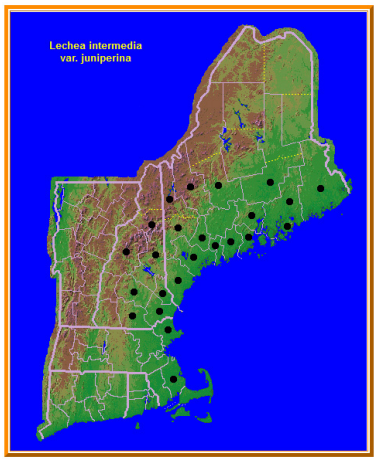
LAVATERA (Family: Malvaceae)

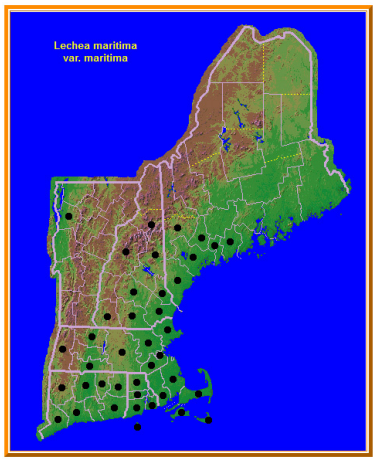
LAVATERA TRIMESTRIS Linnaeus - **Annual Mallow**. 2n = 14.
Waste places. From Mediterranean region.

LAYIA (Family: Asteraceae)

LAYIA PLATYGLOSSA (Fischer & C.A. Meyer) A. Gray - **Tidy-tips**. 2n = 14.
Wool waste. From farther west.





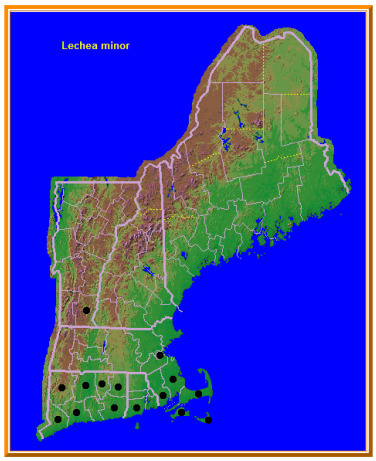


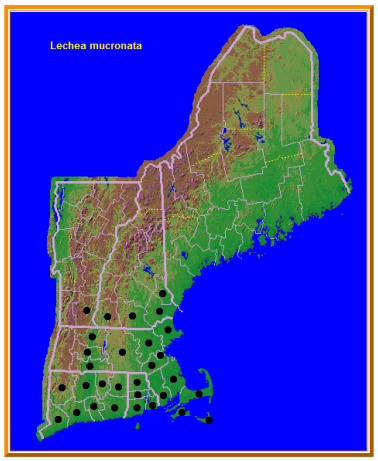
LECHEA (Family: Cistaceae)

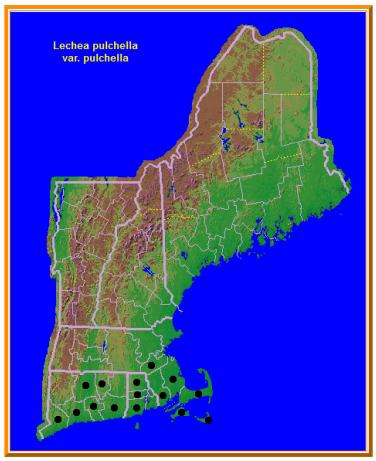
Lechea intermedia Leggett *ex* Britton var. ***intermedia*** - . 2n = 18.
Dry, open, sterile, sandy or rocky soil.

Lechea intermedia Leggett *ex* Britton var. ***juniperina*** (E.P. Bicknell) B.L. Robinson - . 2n = ?
Dry, open, sterile, sandy or rocky soil.

Lechea maritima Leggett *ex* Britton var. ***maritima*** - **Beach Pinweed**. 2n = ?
Sandy, open soil, usually near the sea, dunes, beaches, roadsides, waste places.



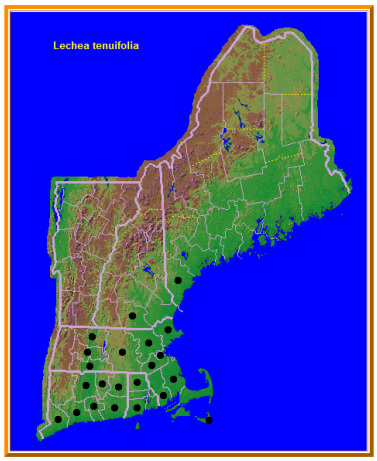




Lechea minor Linnaeus - **Thyme-leaved Pinweed**. 2n = ?
Dry, sandy soil, pond shores, pine-oak woodlands, roadsides.

Lechea mucronata Rafinesque - **Hairy Pinweed**. 2n = ?
Dry, sandy or gravelly open soil, pine-oak and oak-hickory woodland margins, fields, roadsides. [*L. villosa* Elliott]

Lechea pulchella Rafinesque var. ***pulchella*** - . 2n = ?
Dry, pine-oak and oak-hickory woods, clearings, fields, pond shores, usually on sandy soil. [*L. leggettii* Britton & Hollick var. *leggettii*]

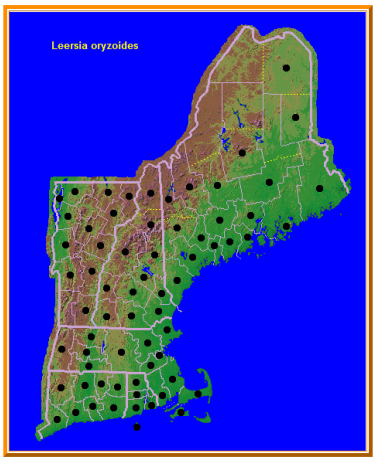


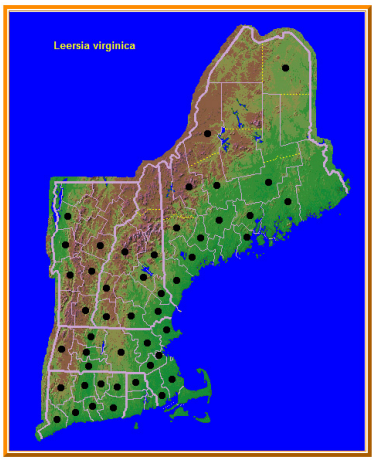
Lechea pulchella Rafinesque var. ***moniliformis*** (E.P. Bicknell *ex* Britton) Mohlenbrock - . 2n = ?
Sandy soil, frequently damp. [*L. leggettii* Britton & Hollick var. *moniliformis* (E.P. Bicknell *ex* Britton) Hodgdon]

Lechea tenuifolia Michaux - . 2n = ?
Dry, sandy fields, sandy or rocky woodland openings and margins, primarily oak or oak-pine woodlands.

Lechea hybrids

Lechea maritima Leggett *ex* Britton var. ***maritima*** X ***L. minor*** Linnaeus - .



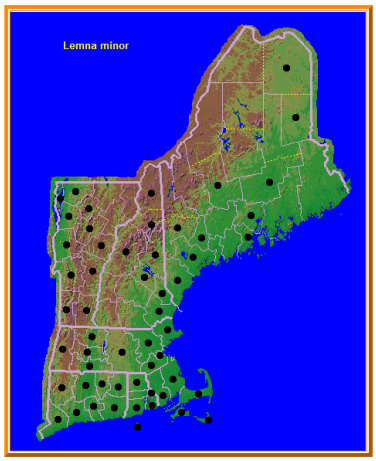


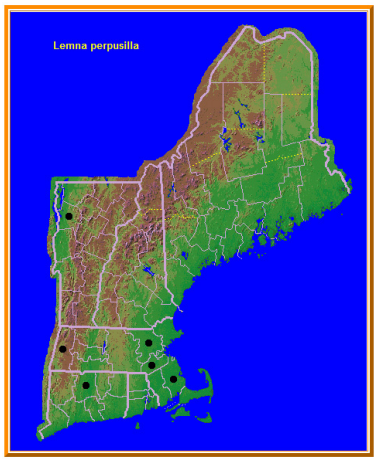
Lechea maritima Leggett *ex* Britton var. ***maritima*** X ***L. mucronata*** Rafinesque - .

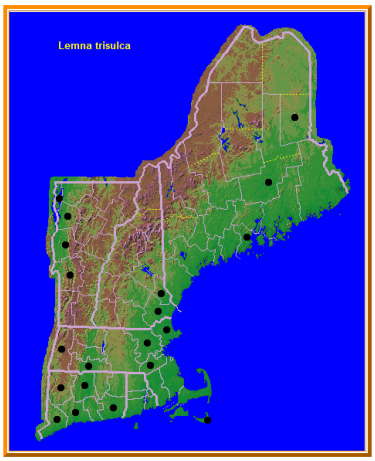
LEERSIA (Family: Poaceae)

Leersia oryzoides (Linnaeus) Swartz - **Rice Cutgrass**. 2n = (28), 48, (60).
Swamps, shores, ditches.

Leersia virginica Willdenow - **Whitegrass**. 2n = 48.
Shaded riverbanks, moist woods, damp thickets. [*L. virginica* var. *ovata* (Poiret) Fernald]





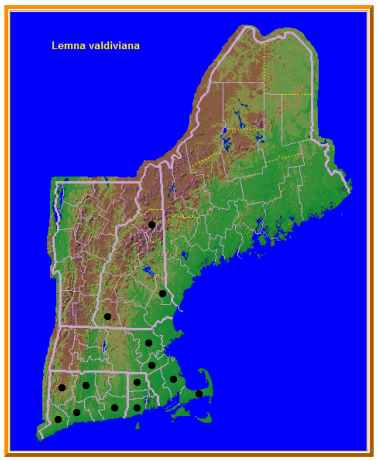


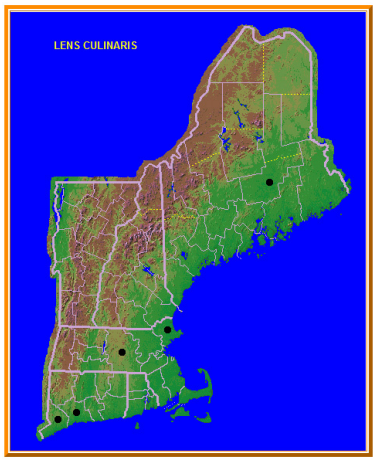
LEMNA (Family: Araceae)

Lemna minor Linnaeus - . 2n = (20), (30), 40, (42), (44), (50), (66), (80), (126).
Floating on quiet water of ponds and streams, muddy shores.

Lemna perpusilla Torrey - . 2n = (20), 40, (50), (60), (80).
Floating on quiet water of ponds and streams.

Lemna trisulca Linnaeus - . 2n = (20), 40, 44, (60), (80).
Surface of quiet, often basic water of ponds and streams.



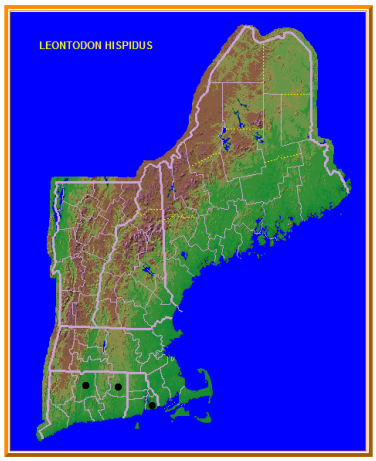


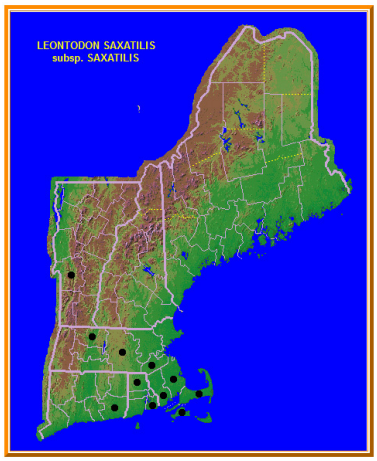
Lemna turionifera Landolt - . 2n = 40, (42), (50), (80).
Quiet waters.

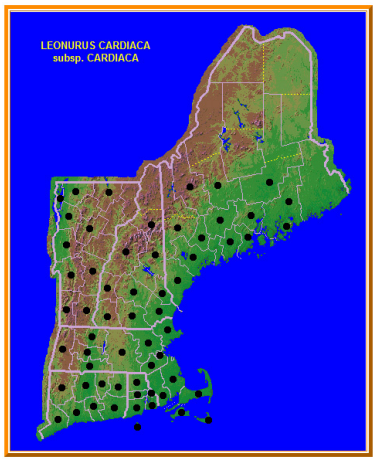
Lemna valdiviana Philippi - . 2n = 36, 40, 42.
Quiet waters or swift currents of streams.

LENS (Family: Fabaceae)

LENS CULINARIS Medikus - **Lentil**. 2n = 14, (21), (26).
Roadsides, waste places. Origin unknown (long in cultivation).







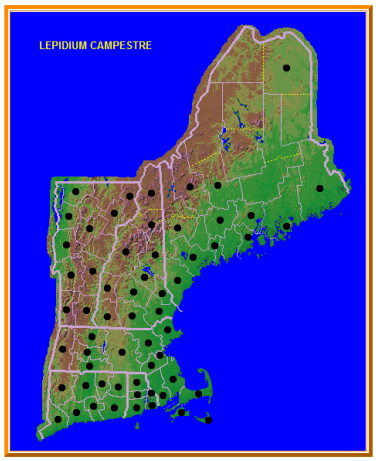
LEONTODON (Family: Asteraceae)

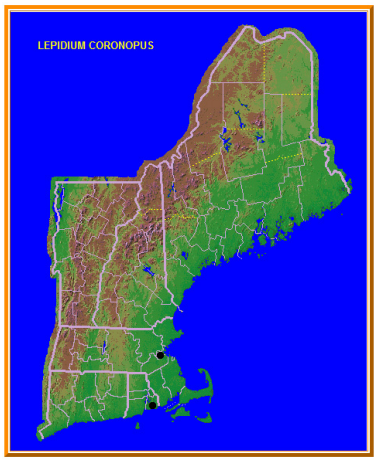
LEONTODON HISPIDUS Linnaeus - . 2n = 14, (21), (42).
Fields, roadsides. From Eurasia. [*L. HASTILIS* Linnaeus var. *HASTILIS*; *L. HASTILIS* var. *VULGARIS* W.D.J. Koch]

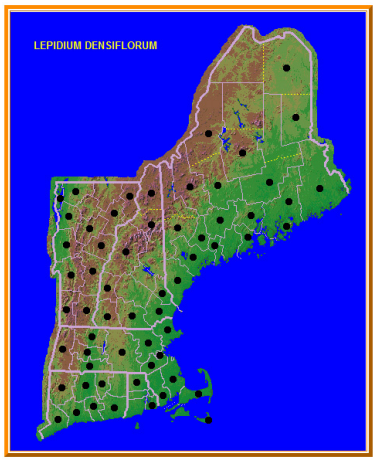
LEONTODON SAXATILIS Lamarck subsp. ***SAXATILIS*** - . 2n = 8, (12), (14).
Sandy beaches and open areas. From Eurasia. [*L. LEYSSERI* (Wallroth) Beck; *L. TARAXACOIDES* (Villars) Willdenow *ex* Mérat de Vaumartoise - illegitimate name]

LEONURUS (Family: Lamiaceae)

LEONURUS CARDIACA Linnaeus subsp. ***CARDIACA*** - **Common Motherwort**. 2n = 18.
Waste places, roadsides, woodland margins. From Eurasia.





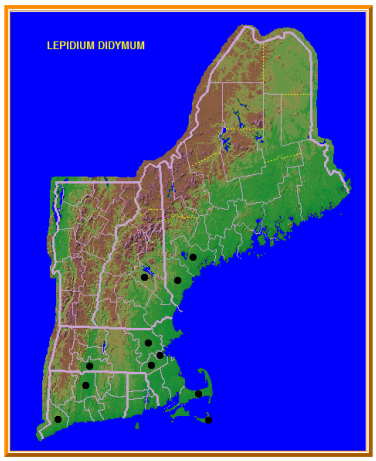


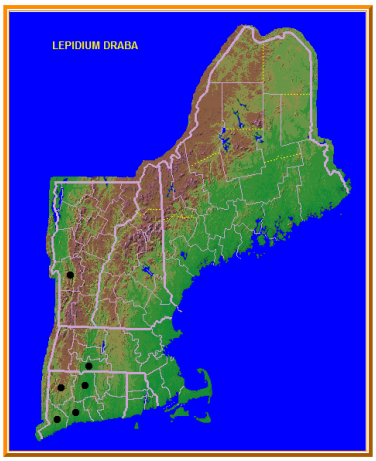
LEPIDIUM (Family: Brassicaceae)

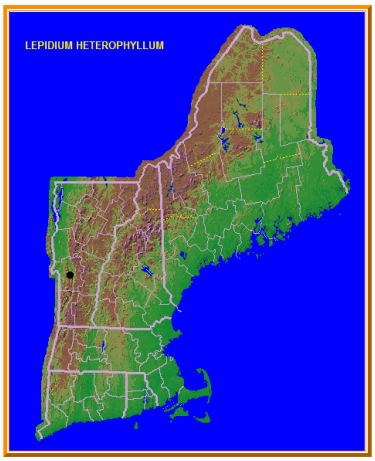
LEPIDIUM CAMPESTRE (Linnaeus) W.T. Aiton - **Cow-cress**. 2n = 16.
Waste places, fields, roadsides. From Eurasia.

LEPIDIUM CORONOPUS (Linnaeus) Al-Shehbaz - **Swine-cress**. 2n = 32.
Waste places, fields, roadsides. From Eurasia, northern Africa. [*CORONOPUS SQUAMATUS* (Forsskål) Ascherson]

LEPIDIUM DENSIFLORUM Schrader - **Prairie Peppergrass**. 2n = 32.
Roadsides, waste places, railroads. From farther west or south.



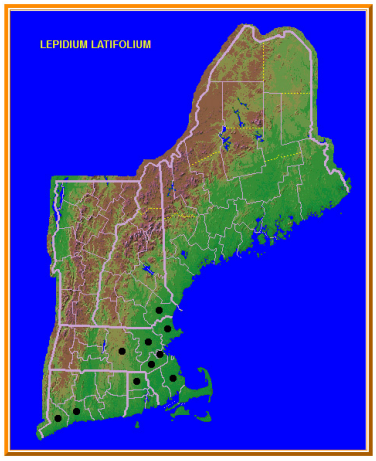


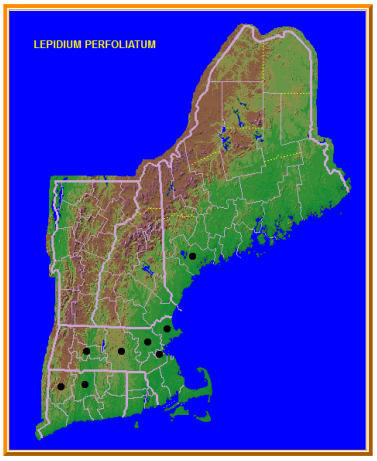


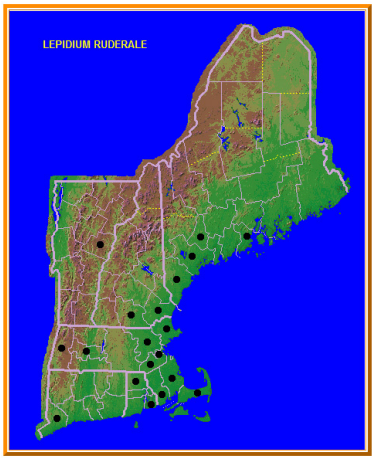
LEPIDIUM DIDYMUM Linnaeus - **Lesser Wort-cress**. 2n = (16), 32.
Waste places, roadsides, fields. Form South America. [*CORONOPUS DIDYMUS* (Linnaeus) Smith]

LEPIDIUM DRABA Linnaeus - **Hoary Cress**. 2n = (32), (62), 64, (80).
Roadsides, waste places, fields. From Eurasia. [*CARDARIA DRABA* (Linnaeus) Desvaux]

LEPIDIUM HETEROPHYLLUM Bentham – **Smith's Pepperwort**. 2n = 16.
Roadsides, fields, waste places.



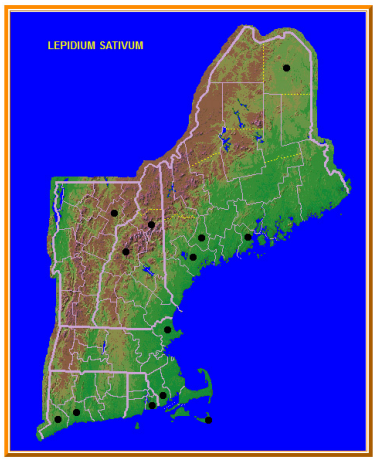


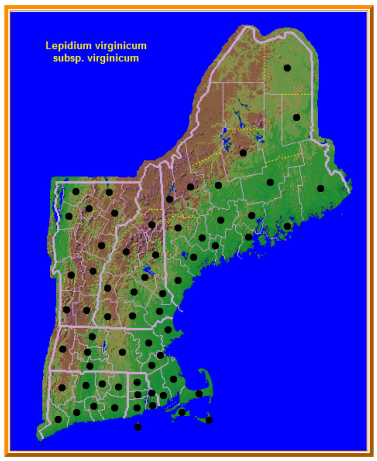


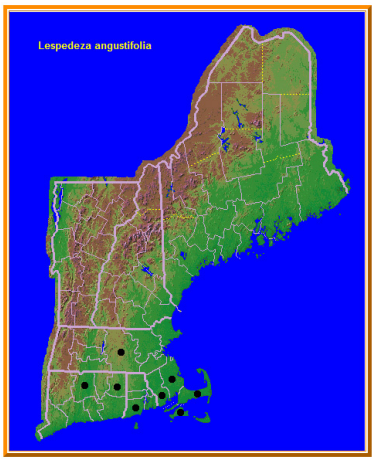
LEPIDIUM LATIFOLIUM Linnaeus - **Dittander**. 2n = 24, (48).
Waste places, tidal shores. From Eurasia, northern Africa.

LEPIDIUM PERFOLIATUM Linnaeus - **Clasping Pepperwort**. 2n = 16.
Roadsides, railroads, fields, waste places. From Eurasia, northern Africa.

LEPIDIUM RUDERALE Linnaeus - **Roadside Pepperwort**. 2n = 16, 32.
Roadsides, waste places, railroads. From Eurasia.





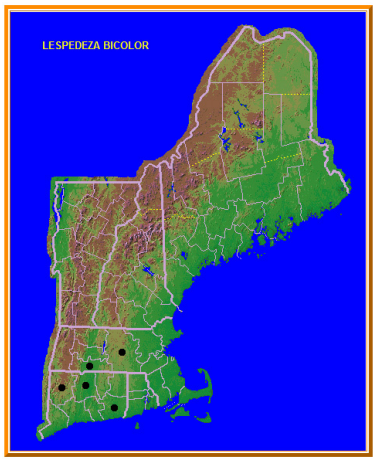


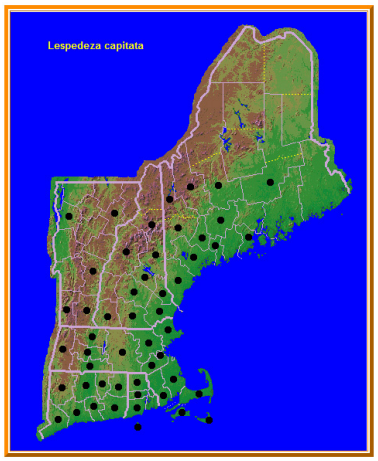
LEPIDIUM SATIVUM Linnaeus - **Garden Cress**. 2n = (16), 24, (32).
Roadsides, waste places. From Eurasia.

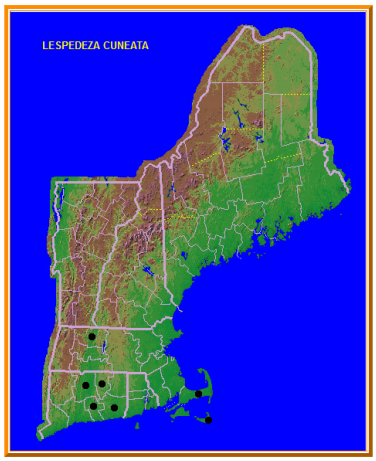
Lepidium virginicum Linnaeus subsp. ***virginicum*** - **Wild Pepper-grass**. 2n = (16), 32.
Roadsides, waste places, dry, open soil.

LESPEDEZA (Family: Fabaceae)

Lespedeza angustifolia (Pursh) Elliott - . 2n = 20.
Dry, open, sandy soil, sandy, pond shores.



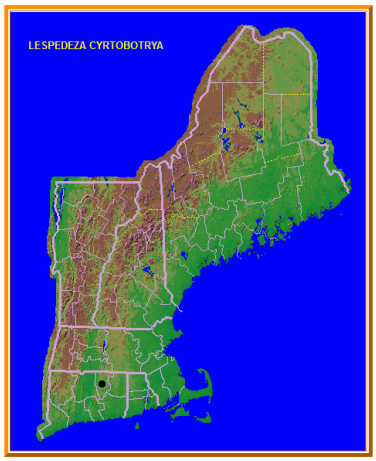


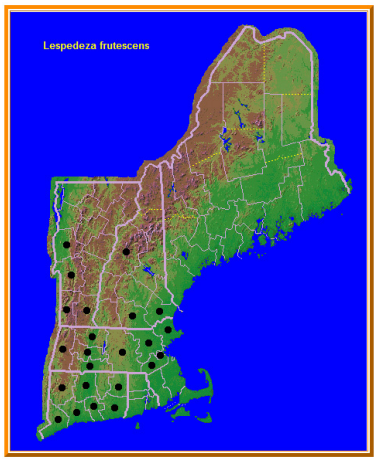


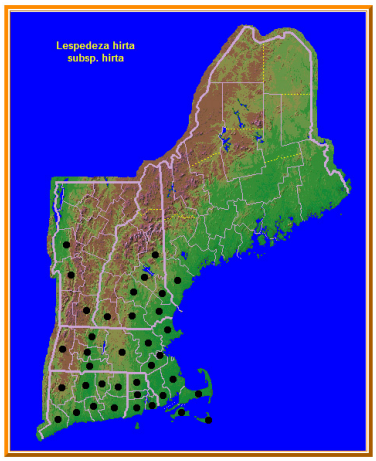
LESPEDEZA BICOLOR Turczaninow - **Shrubby Bush-clover**. 2n = (18), 22, (42).
Waste places, disturbed, open, sandy or gravelly soil, roadsides. From eastern Asia.

Lespedeza capitata Michaux - . 2n = 20.
Dry, open, sandy soil, roadsides, railroads, fields, dry, rocky or sandy woods, waste places. [*L. capitata* var. *stenophylla* Bissell & Fernald; *L. capitata* var. *velutina* Fernald; *L. capitata* var. *vulgaris* Torrey & A. Gray]

LESPEDEZA CUNEATA (Dumont de Courset) G. Don - **Chinese Bush-clover**. 2n = 20.
Dry roadsides, fields, waste places. From eastern Asia, Australia.



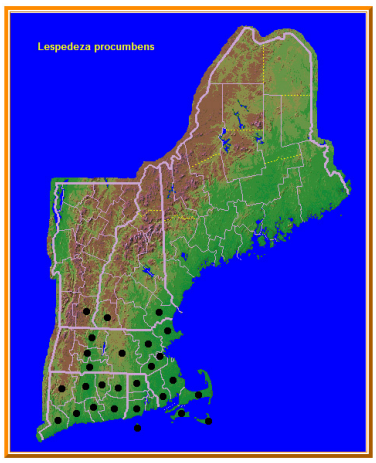


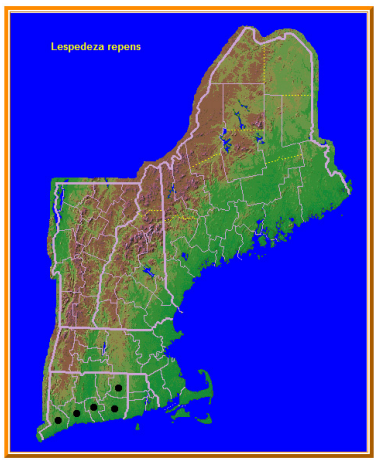


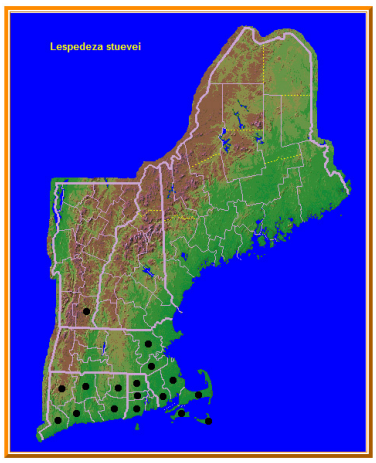
LESPEDEZA CYRTOBOTRYA Miquel - . 2n = (18), 22.
Fields. From eastern Asia.

Lespedeza frutescens (Linnaeus) Hornemann - . 2n = 18, 20.
Dry, rocky woods. [*L. violacea* misapplied]

Lespedeza hirta (Linnaeus) Hornemann subsp. ***hirta*** - . 2n = 20.
Dry, open woods and other dry soils, often sandy or rocky.



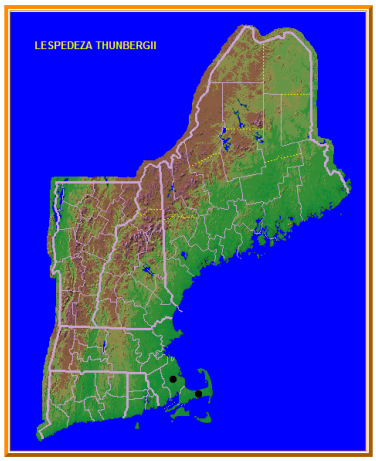


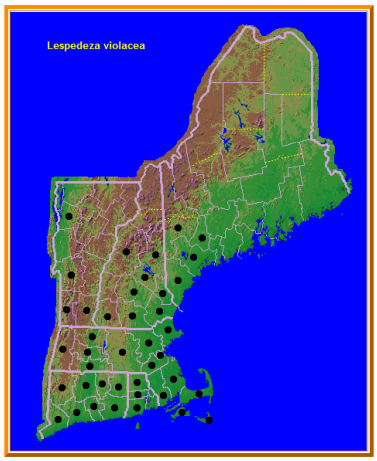


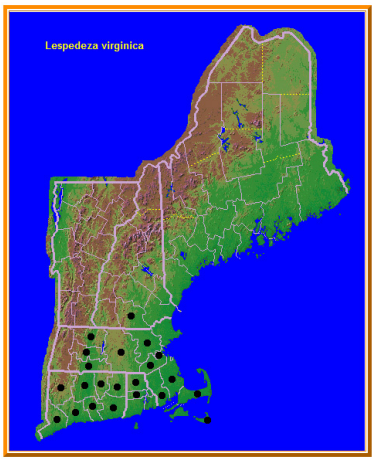
Lespedeza procumbens Michaux - **Trailing Bush-clover**. 2n = 20.
Dry, sandy or rocky, open woods and clearings.

Lespedeza repens (Linnaeus) W.P.C. Barton - **Creeping Bush-clover**. 2n = 20.
Sandy or rocky, open woods, dry ledges, dry, rocky fields.

Lespedeza stuevei Nuttall - . 2n = 20.
Dry woods, dry, sandy, rocky or sterile, open soil, roadsides.



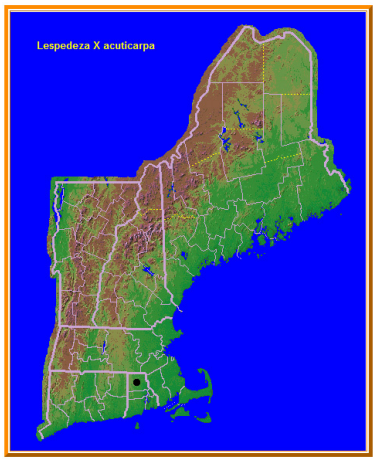


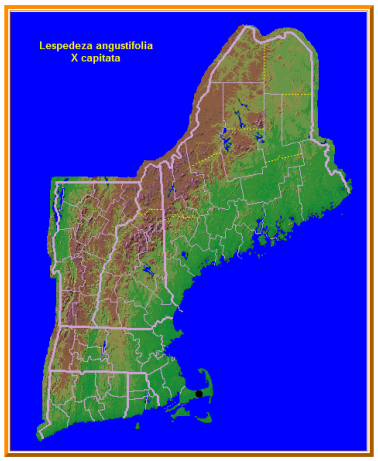


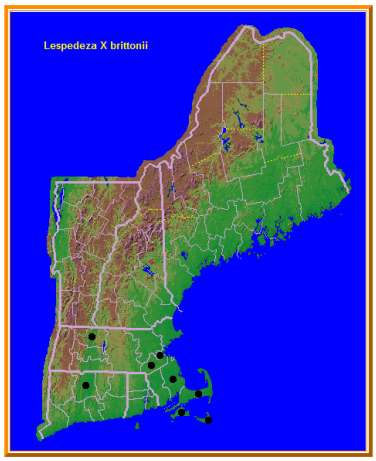
LESPEDEZA THUNBERGII (de Candolle) Nakai - . 2n = 22, (40).
Dry, open woods and other dry, open soils, often sandy or rocky. From eastern Asia.

Lespedeza violacea (Linnaeus) Persoon - . 2n = 20.
Dry, open, often rocky woods, dry, open, rocky soil, thickets, roadsides. [*L. intermedia* misapplied; see *L. frutescens* for traditional, misapplied use of name "*L. violacea*" (Reveal & Barrie 1991)]

Lespedeza virginica (Linnaeus) Britton - **Slender Bush-clover**. 2n = 20.
Dry, open, usually sandy or rocky soil, dry, open, often rocky woods, fields, roadsides.





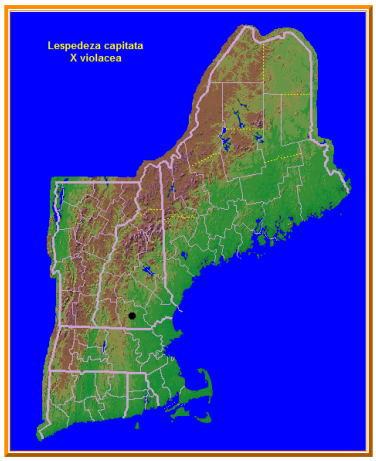


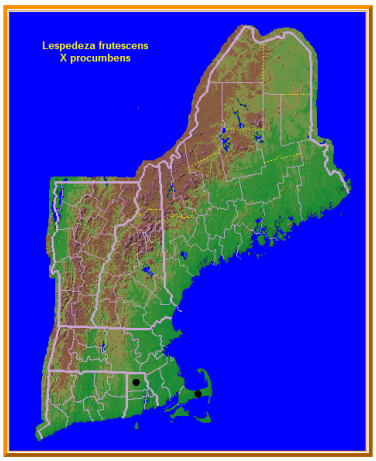
Lespedeza hybrids

Lespedeza X ***acuticarpa*** Mackenzie & Bush (*pro species*) - .
[*L. frutescens* (Linnaeus) Hornemann X *L. virginica* (Linnaeus) Britton; *L. violacea* misapplied X *L. virginica* (Linnaeus) Britton]

Lespedeza angustifolia (Pursh) Elliott X ***L. capitata*** Michaux - .

Lespedeza X ***brittonii*** E.P. Bicknell (*pro species*) - .
[*L. procumbens* Michaux X *L. virginica* (Linnaeus) Britton; *L. procumbens* var. *elliptica* S.F. Blake]

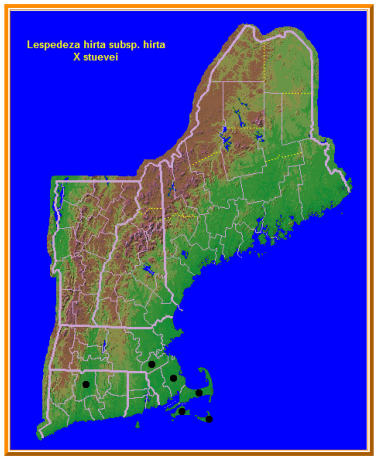




Lespedeza capitata Michaux X ***L. violacea*** (Linnaeus) Persoon - .
[*L. capitata* Michaux X *L. intermedia* misapplied]

Lespedeza frutescens (Linnaeus) Hornemann X ***L. procumbens*** Michaux - .
[*L. violacea* misapplied X *L. procumbens* Michaux]

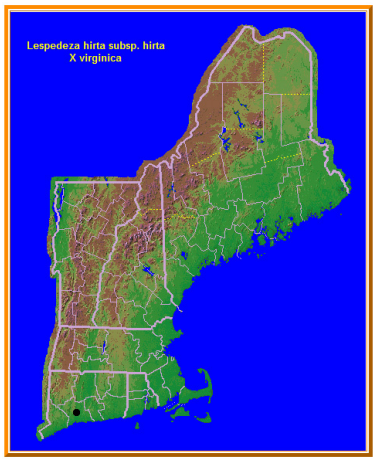
Lespedeza frutescens (Linnaeus) Hornemann X ***L. violacea*** (Linnaeus) Persoon - .
[*L. violacea* misapplied X *L. intermedia* misapplied]

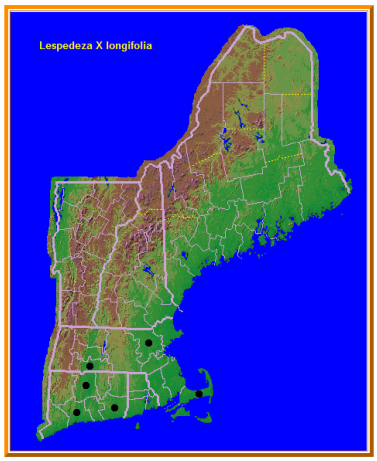


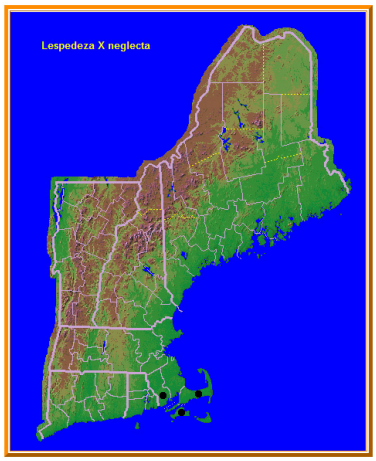
Lespedeza hirta (Linnaeus) Hornemann subsp. ***hirta*** X ***L. procumbens*** Michaux - .

Lespedeza hirta (Linnaeus) Hornemann subsp. ***hirta*** X ***L. stuevei*** Nuttall - .

Lespedeza hirta (Linnaeus) Hornemann subsp. ***hirta*** X ***L. violacea*** (Linnaeus) Persoon - .
[*L. hirta* (Linnaeus) Hornemann subsp. *hirta* X *L. intermedia* misapplied]



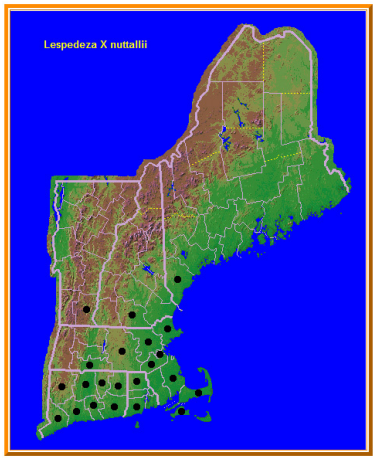


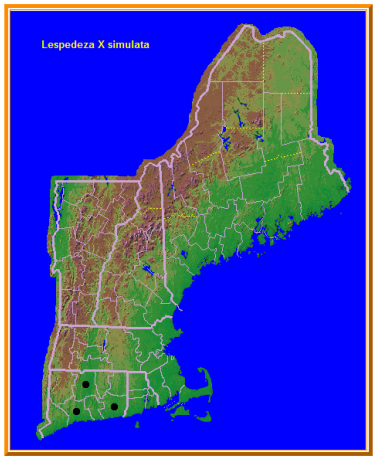


Lespedeza hirta (Linnaeus) Hornemann subsp. ***hirta*** X ***L. virginica*** (Linnaeus) Britton - .

Lespedeza X ***longifolia*** de Candolle (*pro species*) - .
[*L. capitata* Michaux X *L. hirta* (Linnaeus) Hornemann subsp. *hirta*; *L. hirta* var. *dissimulans* Fernald]

Lespedeza X ***neglecta*** Mackenzie & Bush (*pro species*) - .
[*L. stuevei* Nuttall X *L. virginica* (Linnaeus) Britton]

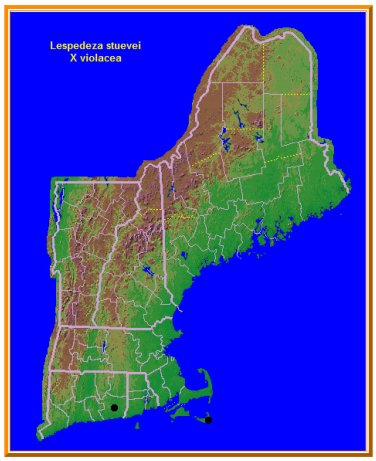


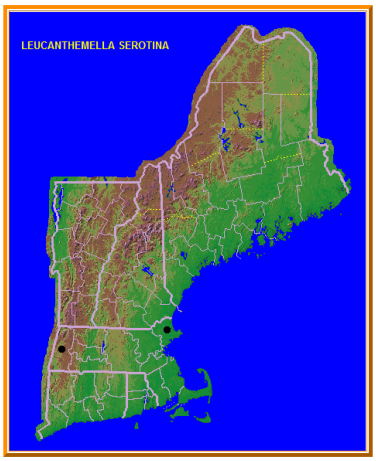


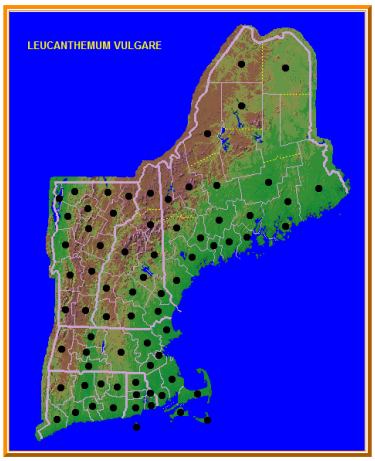
Lespedeza X ***nuttallii*** Darlington (*pro species*) - .
[*L. frutescens* (Linnaeus) Hornemann X *L. hirta* (Linnaeus) Hornemann subsp. *hirta*; *L. violacea* misapplied X *L. hirta* subsp. *hirta*]

Lespedeza procumbens Michaux X ***L. stuevei*** Nuttall - .

Lespedeza X ***simulata*** Mackenzie & Bush (*pro species*) - .
[*L. capitata* Michaux X *L. virginica* (Linnaeus) Britton]







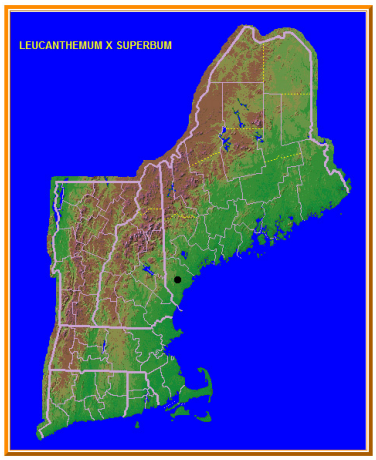
Lespedeza stuevei Nuttall X ***L. violacea*** (Linnaeus) Persoon - .
[*L. stuevei* Nuttall X *L. intermedia* misapplied]

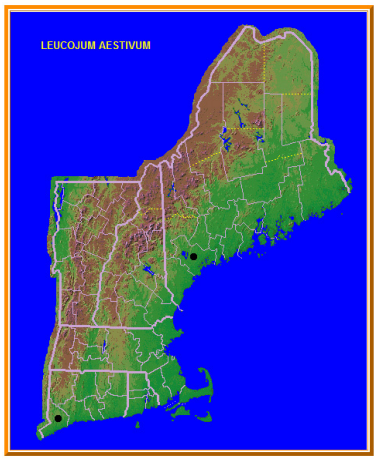
LEUCANTHEMELLA (Family: Asteraceae)

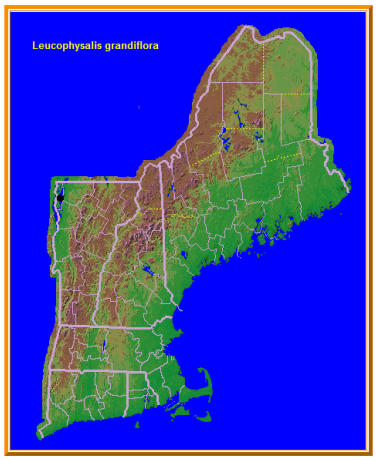
LEUCANTHEMELLA SEROTINA (Linnaeus) Tzvelev - **Giant Daisy**. 2n = 18.
Roadsides. From Europe. [*CHRYSANTHEMUM ULIGINOSUM* Persoon]

LEUCANTHEMUM (Family: Asteraceae)

LEUCANTHEMUM VULGARE Lamarck - **Oxeye Daisy**. 2n = 18, 36, 54, (72), (90), (108).
Fields, clearings, waste places, roadsides. From Eurasia. [*CHRYSANTHEMUM LEUCANTHEMUM* Linnaeus var. *LEUCANTHEMUM*; *C. LEUCANTHEMUM* var. *PINNATIFIDUM* Lecoq & Lamotte]







***Leucanthemum* hybrid**

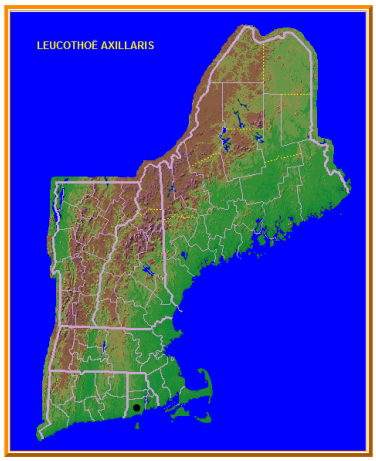
LEUCANTHEMUM X ***SUPERBUM*** (Bergmans *ex* J.W. Ingram) D.H. Kent - .
[*L. LACUSTRE* (Brotero) Sampaio X *L. MAXIMUM* (Ramond) de Candolle]

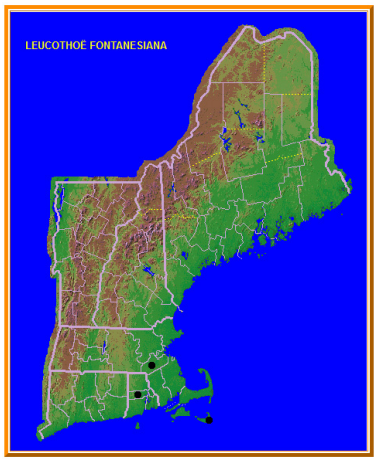
LEUCOJUM (Family: Amaryllidaceae)

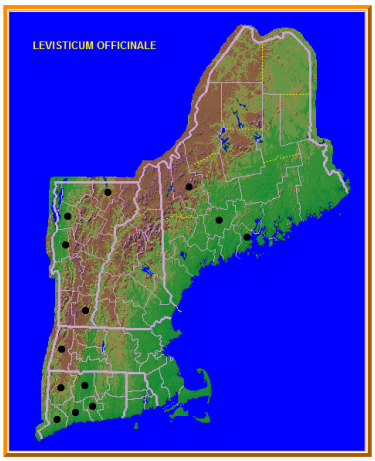
LEUCOJUM AESTIVUM Linnaeus - **Summer Snowflake**. 2n = 22, (24).
Meadows, low woods. From Europe.

LEUCOPHYSALIS (Family: Solanaceae)

Leucophysalis grandiflora (Hooker) Rydberg - **White Gound-cherry**. 2n = 48.
Lake shores. [*Chamaesaracha grandiflora* (Hooker) Fernald; *Physalis grandiflora* Hooker]







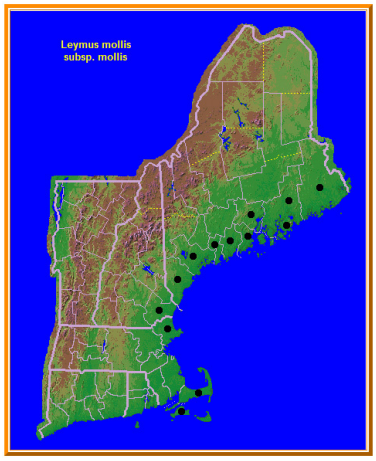
LEUCOTHOË (Family: Ericaceae)

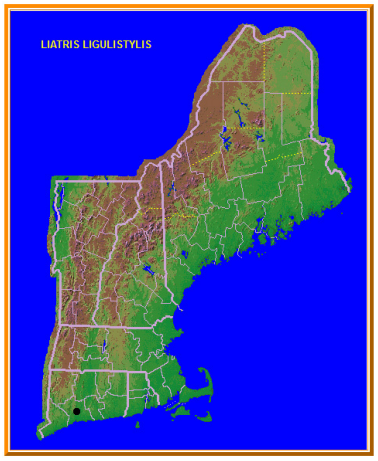
LEUCOTHOË AXILLARIS (Lamarck) D. Don - **Coastal Dog-hobble**. 2n = 22.
Swamps. From farther south.

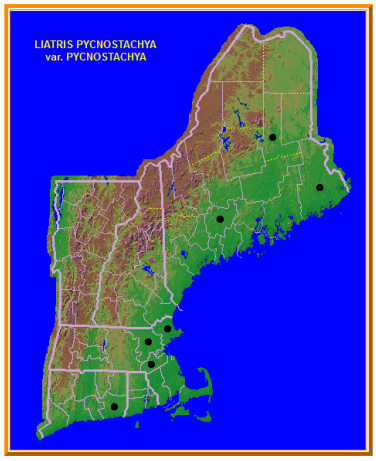
LEUCOTHOË FONTANESIANA (Steudel) Sleumer - **Mountain Dog-hobble**. 2n = 22.
Sandy, pine woods. From farther south.

LEVISTICUM (Family: Apiaceae)

LEVISTICUM OFFICINALE W.D.J. Koch - **Lovage**. 2n = 22.
Roadsides. From western Asia.







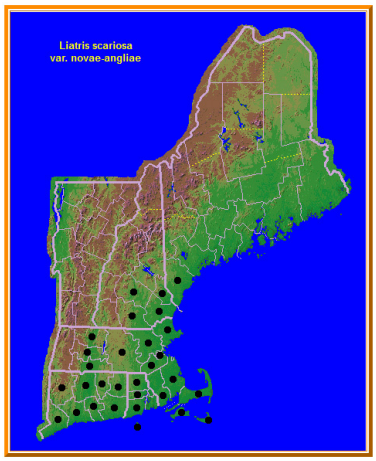
LEYMUS (Family: Poaceae)

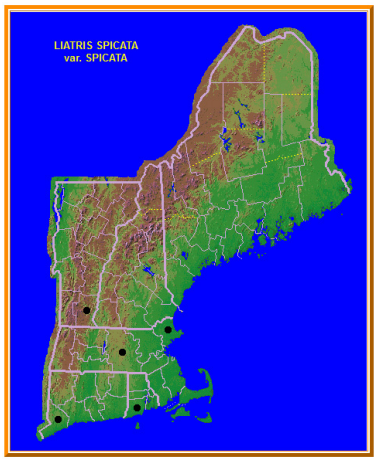
Leymus mollis (Trinius) Pilger subsp. ***mollis*** - **American Dunegrass**. 2n = 28, (56).
Sea beaches. [*Elymus arenarius* Linnaeus var. *villosus* E. Meyer; *E. mollis* Trinius]

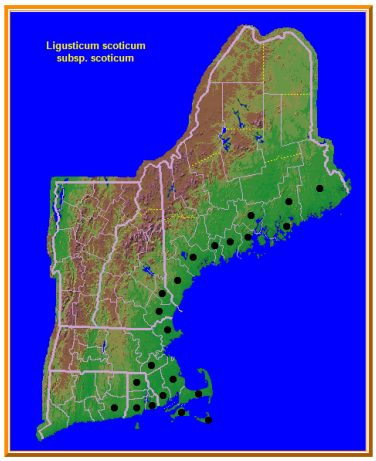
LIATRIS (Family: Asteraceae)

LIATRIS LIGULISTYLIS (A. Nelson) K. Schumann - . 2n = (18), 20.
Gravelly, roadside waste area. From farther west.

LIATRIS PYCNOSTACHYA Michaux var. ***PYCNOSTACHYA*** - . 2n = 20, 40
Roadsides, waste places, fields, sandy, pine woods clearings. From farther west and south.





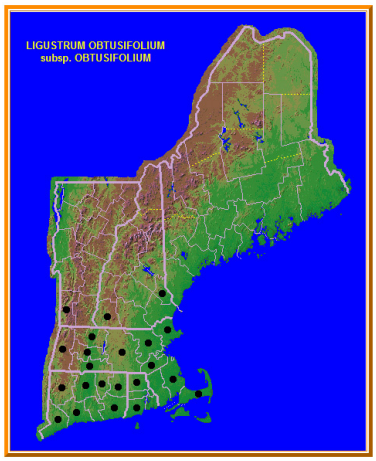


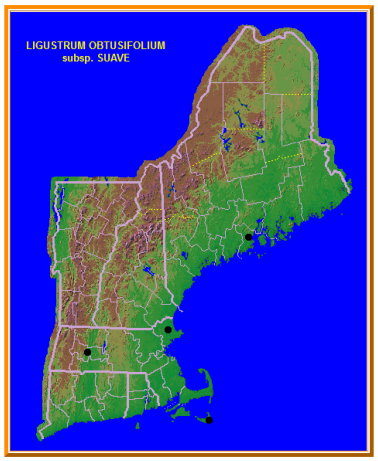
Liatris scariosa (Linnaeus) Willdenow var. ***novae-angliae*** (Lunell) Gandhi, S.M. Young & P. Somers - . 2n = ?
Dry, sandy, fields, open woods, clearings and roadsides. [*L. borealis* misapplied]

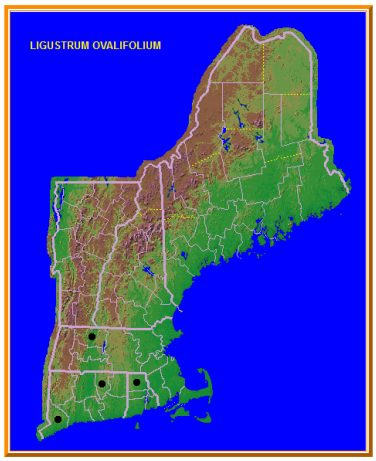
LIATRIS SPICATA (Linnaeus) Willdenow var. ***SPICATA*** - . 2n = 20.
Roadsides, clearings, waste places. From farther south and west.

LIGUSTICUM (Family: Apiaceae)

Ligusticum scoticum Linnaeus subsp. ***scoticum*** - **Scots Lovage**. 2n = 22.
Salt marsh margins, sandy or rocky seashores.





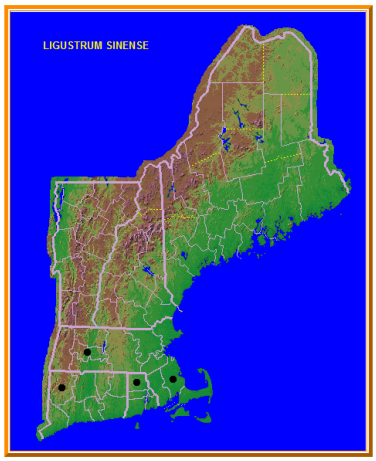


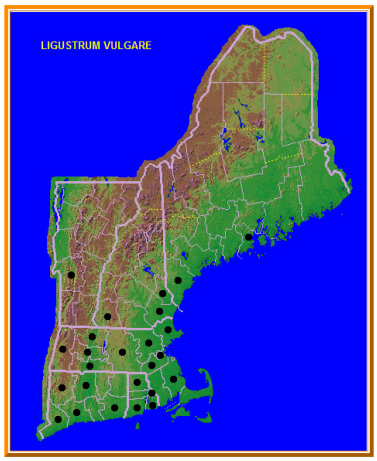
LIGUSTRUM (Family: Oleaceae)

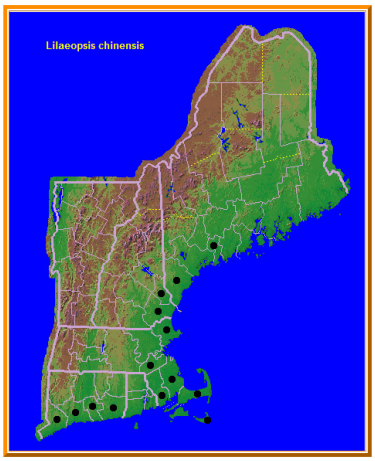
LIGUSTRUM OBTUSIFOLIUM Siebold & Zuccarini subsp. ***OBTUSIFOLIUM*** - . 2n = 46.
Woodlands, woodland margins, thickets, roadsides, streambanks. From Japan, Korea.

LIGUSTRUM OBTUSIFOLIUM Siebold & Zuccarini subsp. ***SUAVE*** (Kitagawa) Kitagawa - **Amur Privet**. 2n = 46.
Thickets. From China. [*L. AMURENSE* Carrière]

LIGUSTRUM OVALIFOLIUM Hasskarl - **California Privet**. 2n = (22), 46.
Roadsides, thickets, sandy, waste places. From Japan, Korea.





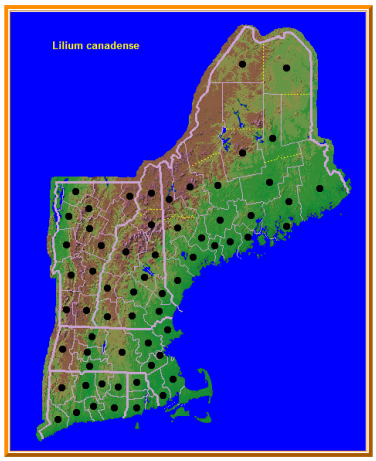


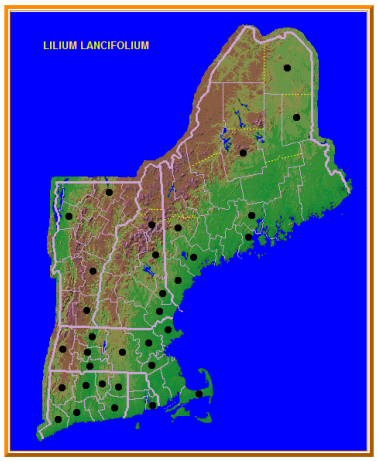
LIGUSTRUM SINENSE Loureiro - **Chinese Privet**. 2n = 46.
Railroads. From eastern Asia.

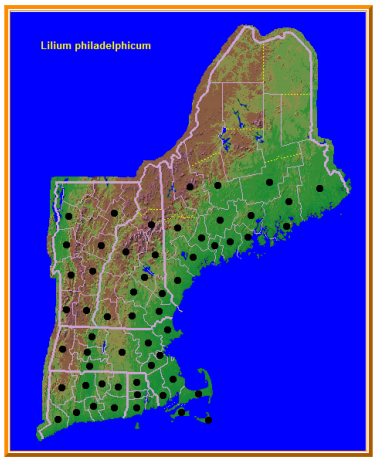
LIGUSTRUM VULGARE Linnaeus - **Common Privet**. 2n = 46.
Roadsides, thickets, open woodlands. From Eurasia, northwestern Africa.

LILAEOPSIS (Family: Apiaceae)

Lilaeopsis chinensis (Linnaeus) Kuntze - . 2n = 22.
Muddy tidal shores, salt marshes.





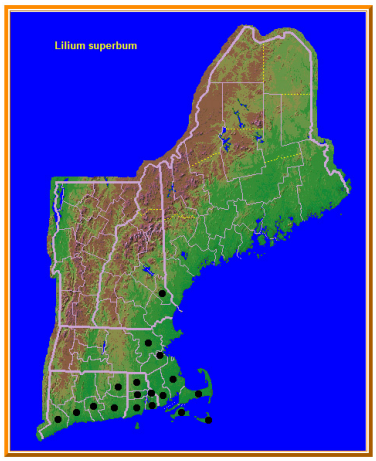


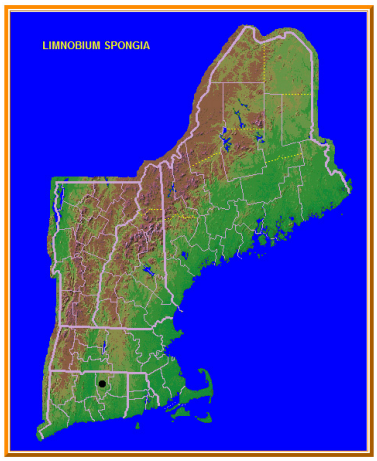
LILIUM (Family: Liliaceae)

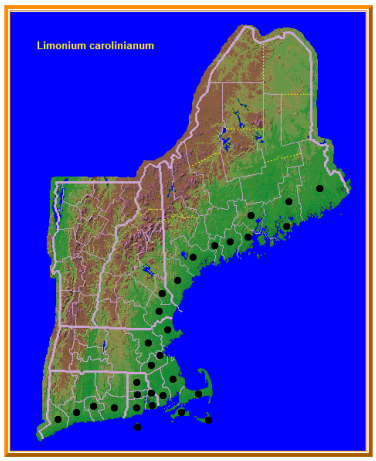
Lilium canadense Linnaeus - **Canada Lily**. 2n = 24.
Meadows, low woods, thickets.

LILIUM LANCIFOLIUM Thunberg - **Tiger Lily**. 2n = 24, 36.
Old house sites, roadsides, dry thickets. From eastern Asia. [*L. TIGRINUM* Ker Gawler]

Lilium philadelphicum Linnaeus - **Wood Lily**. 2n = 24.
Dry, open woods, thickets, clearings.







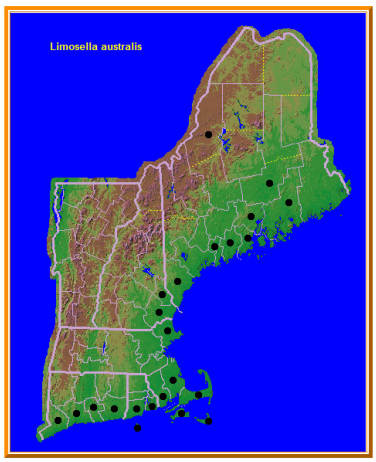
Lilium superbum Linnaeus - **Turk's-cap Lily**. 2n = 24.
Meadows, damp thickets, swampy woods.

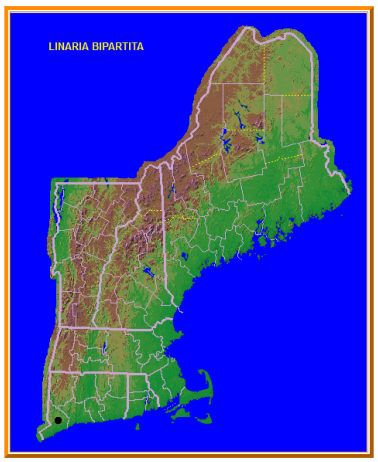
LIMNOBIUM (Family: Hydrocharitaceae)

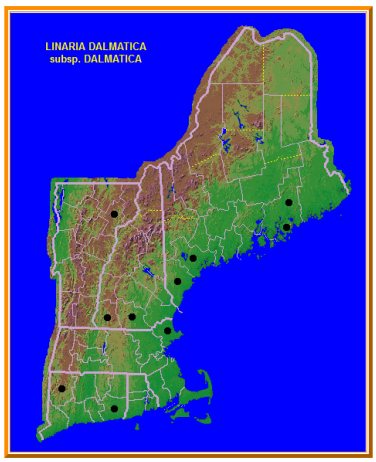
LIMNOBIUM SPONGIA (Bosc) Richard *ex* Steudel - **American Frog's-bit**. 2n = 24.
Ponds, stagnant water. From further south.

LIMONIUM (Family: Plumbaginaceae)

Limonium carolinianum (Walter) Britton - **Sea-Lavender**. 2n = 36.
Salt marshes. [*L. nashii* Small]







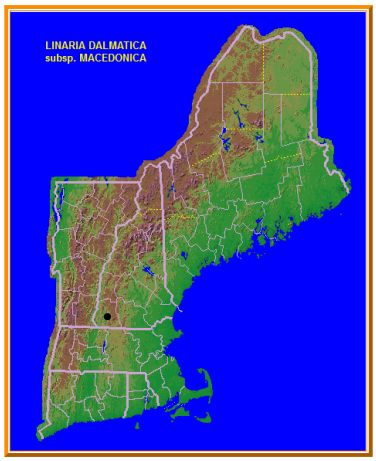
LIMOSELLA (Family: Scrophulariaceae)

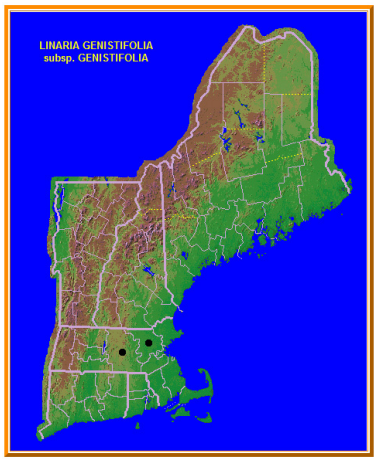
Limosella australis R. Brown - **Welsh Mudwort**. 2n = 20, (48).
Tidal mud flats, occasionally muddy or sandy inland shores. [*L. subulata* E. Ives]

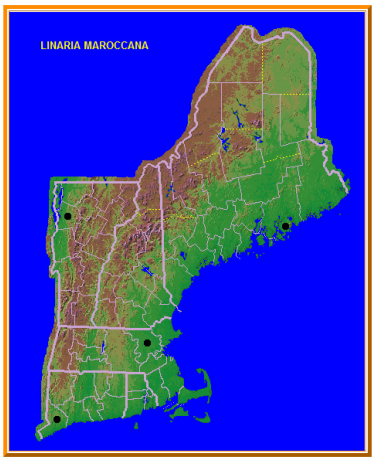
LINARIA (Family: Plantaginaceae)

LINARIA BIPARTITA (Ventenat) Willdenow - . 2n = 12.
Dry fields, waste places, roadsides. From Morocco. Note: The name *L. BIPARTITA* has been misapplied to *L. INCARNATA* (Ventenat) Sprengel of southwestern Europe and Morocco.

LINARIA DALMATICA (Linnaeus) Miller subsp. ***DALMATICA*** - **Balkan Toadflax**. 2n = 12.
Waste places, roadsides, railroads, dunes, fields. From Balkan Europe, southwestern Asia.



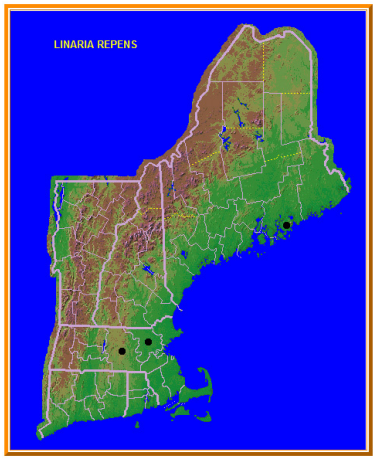


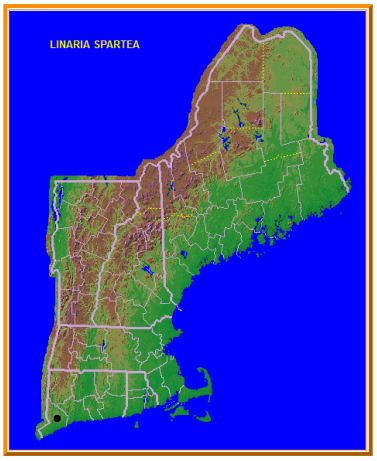


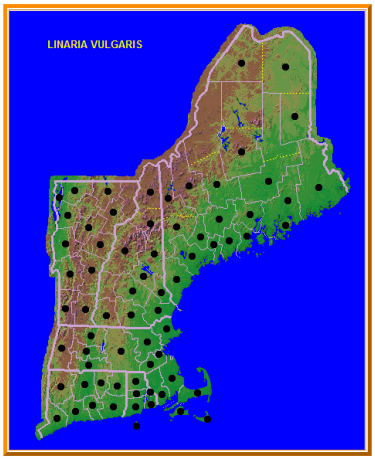
LINARIA DALMATICA (Linnaeus) Miller subsp. ***MACEDONICA*** (Grisebach) D.A. Sutton - . 2n = 12.
Waste places, roadsides. From Balkan Europe.

LINARIA GENISTIFOLIA (Linnaeus) Miller subsp. ***GENISTIFOLIA*** - . 2n = 12.
Roadsides, railroads. From Eurasia.

LINARIA MAROCCANA Hooker (son) - **Moroccan Toadflax**. 2n = 12, (24).
Fields, meadows, woodland clearings, roadsides, waste places, rocky shores. From Morocco.



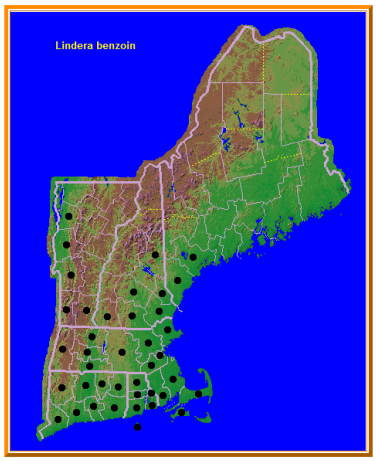


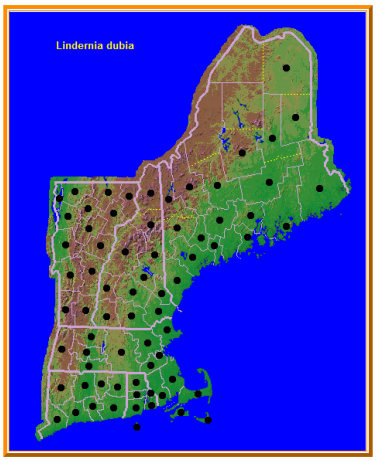


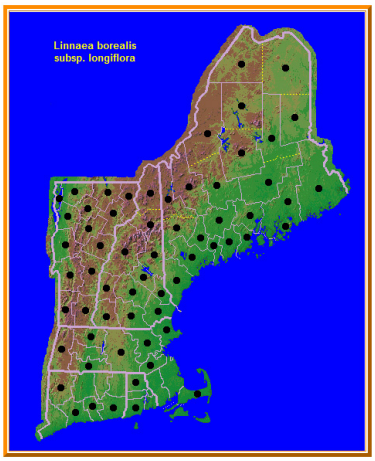
LINARIA REPENS (Linnaeus) Miller - **Striped Toadflax**. 2n = 12.
Roadsides, railroads, waste places. From western Europe.

LINARIA SPARTEA (Linnaeus) Chazelles de Prizy - **Ballast Toadflax**. 2n = 12.
Dry fields. From southwestern Europe.

LINARIA VULGARIS Miller - **Butter-and-eggs**. 2n = 12.
Roadsides, railroads, dry fields, waste places. From Eurasia.







LINDERA (Family: Lauraceae)

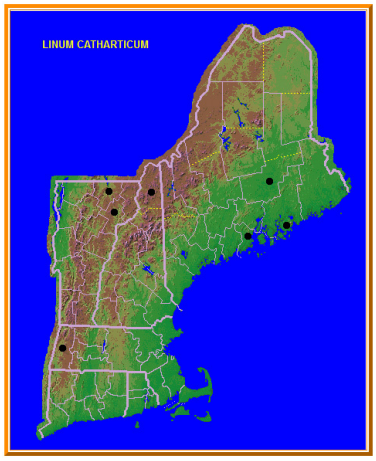
Lindera benzoin (Linnaeus) Blume - **Spicebush**. 2n = 24.
Damp woods, stream banks, in rich soil.

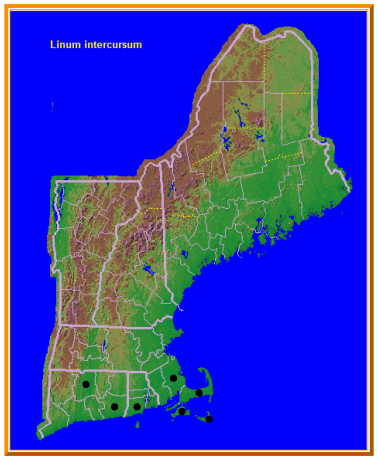
LINDERNIA (Family: Linderniaceae)

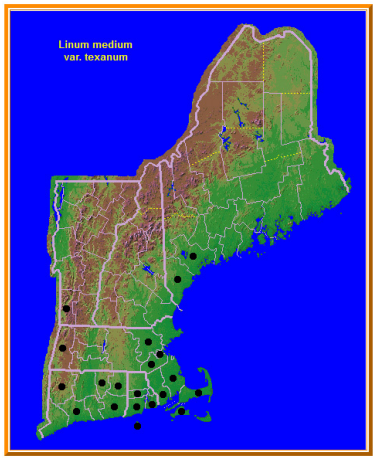
Lindernia dubia (Linnaeus) Pennell - . 2n = 18, 32.
Muddy, sandy or gravelly shores, meadows, marshes. [*L. dubia* var. *anagallidea* (Michaux) Cooperrider; *L. dubia* var. *inundata* (Pennell) Pennell; *L. dubia* var. *riparia* (Rafinesque) Fernald; *L. anagallidea* (Michaux) Pennell; *L. pyxidaria* misapplied]

LINNAEA (Family: Caprifoliaceae)

Linnaea borealis Linnaeus subsp. ***longiflora*** (Torrey) Piper & Beattie - **American Twinflower**. 2n = 32.
Moist, rich, cool woods, peaty knolls, swamps. [*L. borealis* var. *americana* (J. Forbes) Rehder]





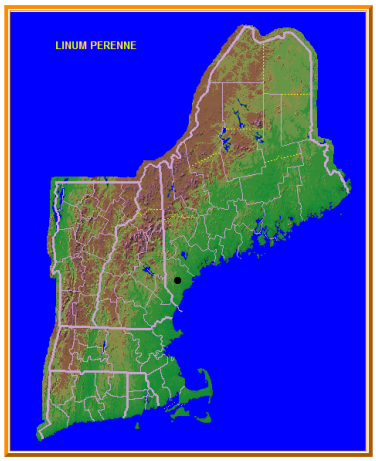


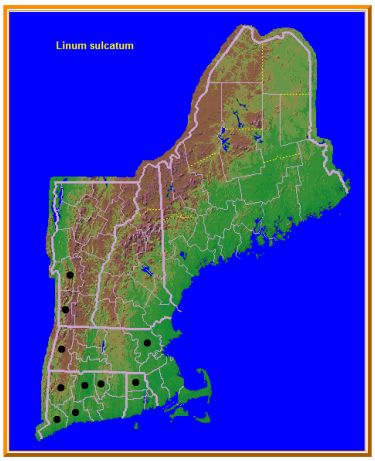
LINUM (Family: Linaceae)

LINUM CATHARTICUM Linnaeus - **Fairy Flax**. 2n = 16.
Fields, roadsides, in calcareous or sandy soil. From Eurasia, northwestern Africa.

Linum intercursum E.P. Bicknell - . 2n = 36.
Sandy beaches, open, sandy places.

Linum medium (Planchon) Britton var. ***texanum*** (Planchon) Fernald - . 2n = 36.
Dry fields, roadsides, in sterile, open soil.

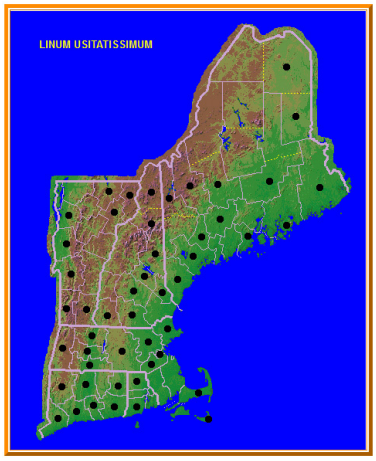


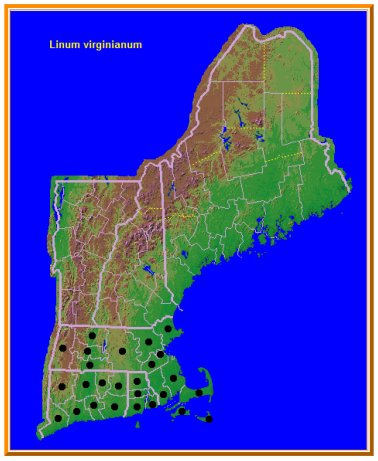


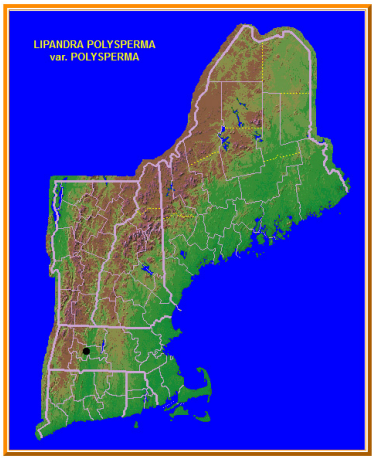
LINUM PERENNE Linnaeus - **Blue Flax**. 2n = 18, (30), 36.
Dry, sandy hills. From Eurasia.

Linum striatum Walter - . 2n = 12, 36.
Damp thickets, bogs, meadows, shores. [*L. striatum* var. *multijugum* Fernald]

Linum sulcatum Riddell - . 2n = 30.
Roadsides, sandy fields, in dry, open soil.





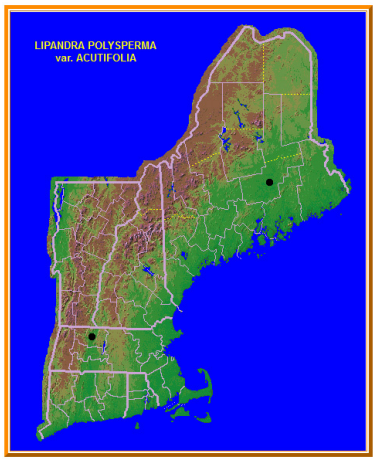


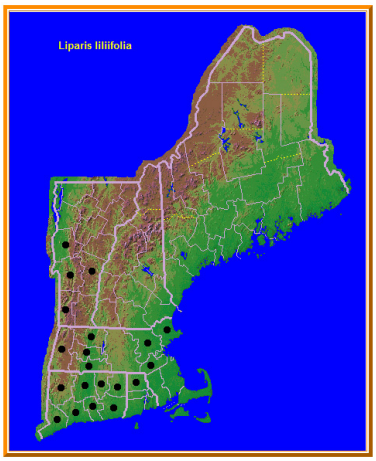
LINUM USITATISSIMUM Linnaeus - **Common Flax**. 2n = 30, (32).
Railroads, waste places, fields, roadsides. From Eurasia.

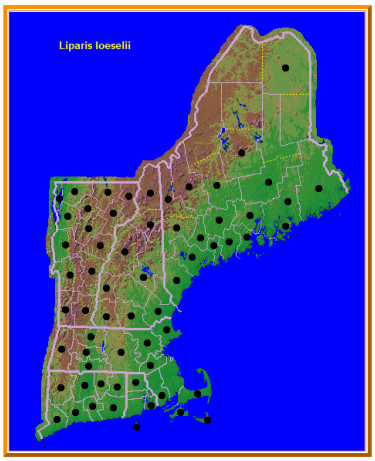
Linum virginianum Linnaeus - . 2n = 30, 36.
Roadsides, dry, open woodlands, fields, thickets, clearings.

LIPANDRA (Family: Amaranthaceae)

LIPANDRA POLYSPERMA (Linnaeus) S. Fuentes, Uotila & Borsch var. ***POLYSPERMA*** - . 2n = 18.
Waste places. From Eurasia. [*CHENOPODIUM POLYSPERMUM* Linnaeus var. *POLYSPERMUM*]





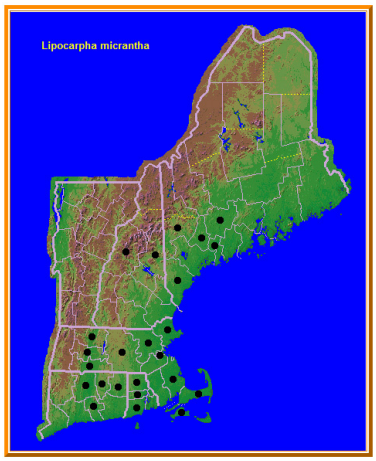


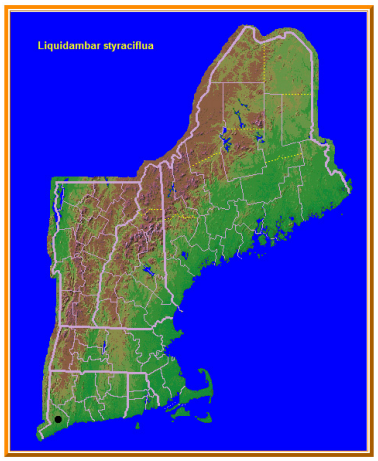
LIPANDRA POLYSPERMA Linnaeus var. ***ACUTIFOLIA*** (Smith) Mosyakin - . 2n = 18.
Waste places. From Eurasia. [*CHENOPODIUM POLYSPERMUM* Linnaeus var. *ACUTIFOLIUM* (Smith) Gaudin]

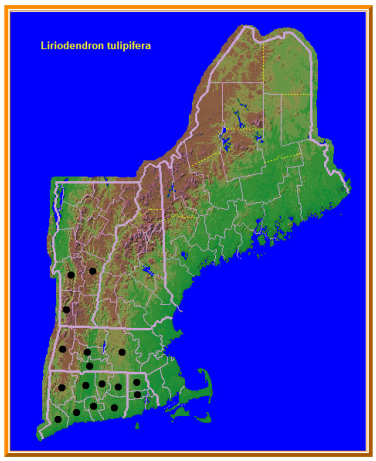
LIPARIS (Family: Orchidaceae)

Liparis liliifolia (Linnaeus) Richard *ex* Lindley - **Large Twayblade**. 2n = ?
Rich, moist woods.

Liparis loeselii (Linnaeus) Richard - **Loesel's Twayblade**. 2n = 26, (32).
Swamps, bogs, damp thickets, sphagnous meadows, ditches.







LIPOCARPHA (Family: Cyperaceae)

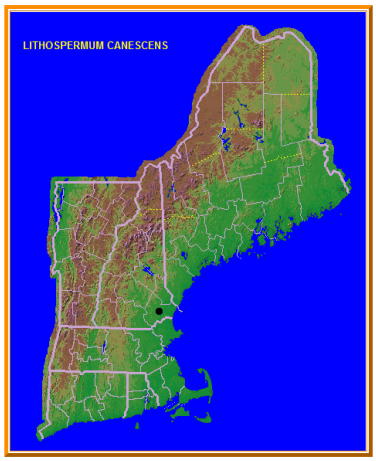
Lipocarpha micrantha (Vahl) G.C. Tucker - . 2n = ?
Sandy pond shores, rarely river shores. [*Hemicarpha micrantha* (Vahl) Pax]

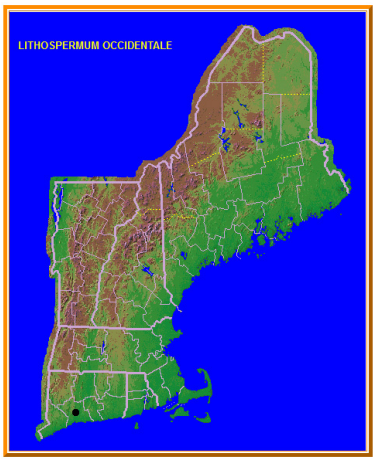
LIQUIDAMBAR (Family: Altingiaceae)

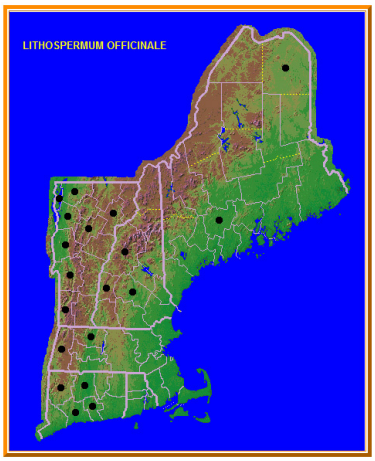
Liquidambar styraciflua Linnaeus - **Sweet Gum**. 2n = (30), 32.
Swampy woods.

LIRIODENDRON (Family: Magnoliaceae)

Liriodendron tulipifera Linnaeus - **Tulip-tree**. 2n = 38, (76).
Rich woods.





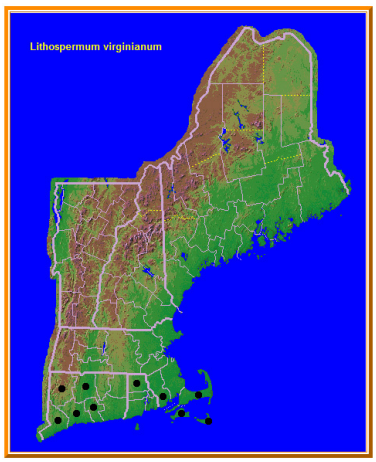


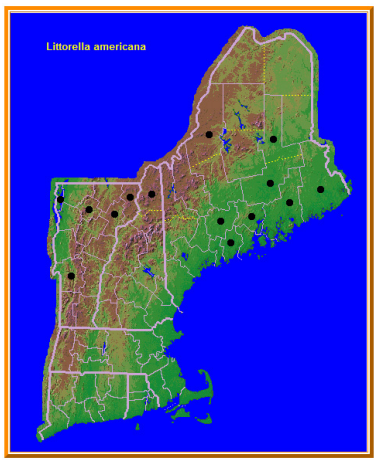
LITHOSPERMUM (Family: Boraginaceae)

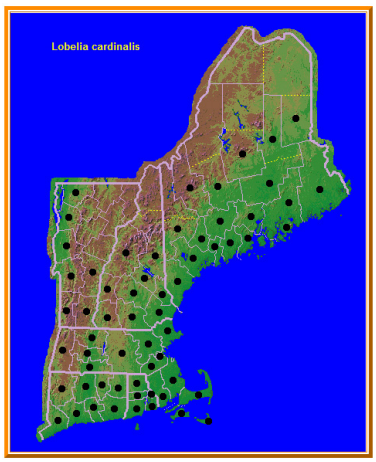
LITHOSPERMUM CANESCENS (Michaux) Lehmann - **Hoary Puccoon**. 2n = 14.
Beaches. From farther west and south.

LITHOSPERMUM OCCIDENTALE (Mackenzie) Weakley, Witsell, & D. Estes - . 2n = 28.
Waste places. From farther west. [*ONOSMODIUM BEJARIENSE* de Candolle var. *OCCIDENTALE* (Mackenzie) B.L. Turner; *O. MOLLE* Michaux var. *OCCIDENTALE* (Mackenzie) I.M. Johnston; *O. OCCIDENTALE* Mackenzie]

LITHOSPERMUM OFFICINALE Linnaeus - **European Gromwell**. 2n = 28, (56).
Dry fields, roadsides, open places, waste places. From Eurasia.







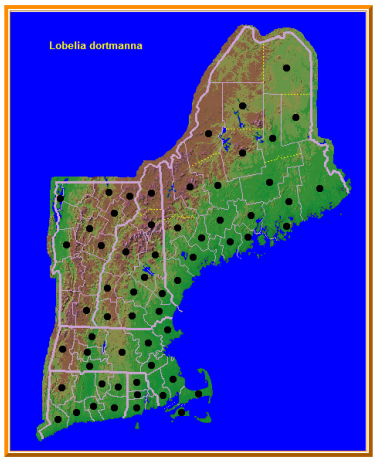
Lithospermum virginianum Linnaeus - **Wild Job's-tears**. 2n = ?
Dry, sandy soil. [*Onosmodium virginianum* (Linnaeus) A. de Candolle]

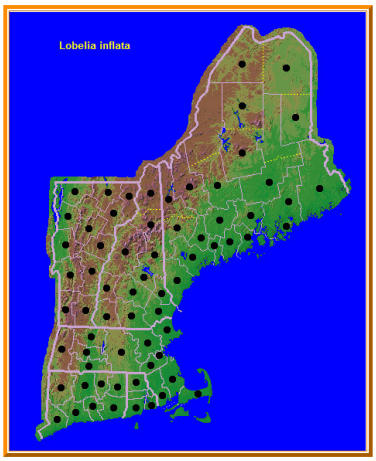
LITTORELLA (Family: Plantaginaceae)

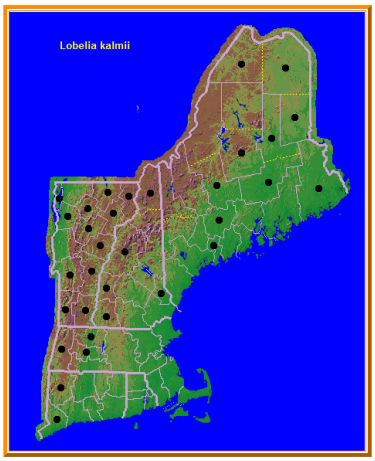
Littorella americana Fernald - **Shore-grass**. 2n = 12.
Shores and margins of lakes and ponds. [*L. uniflora* misapplied]

LOBELIA (Family: Campanulaceae)

Lobelia cardinalis Linnaeus - **Cardinal-flower**. 2n = 14.
Along streams, other freshwater shores, meadows, swamps.



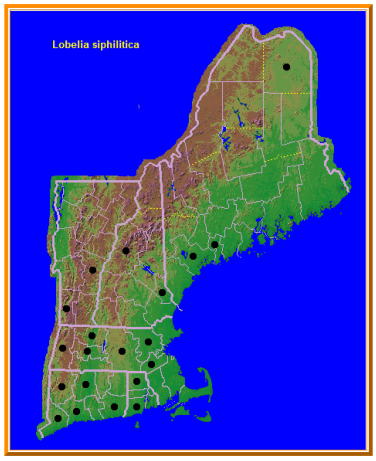


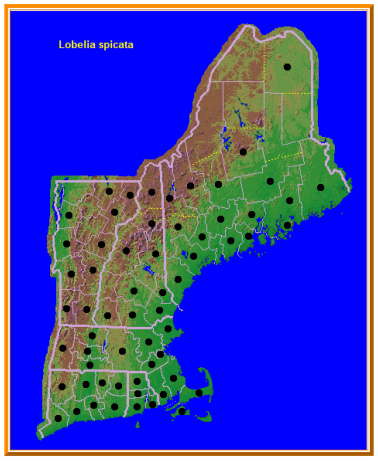


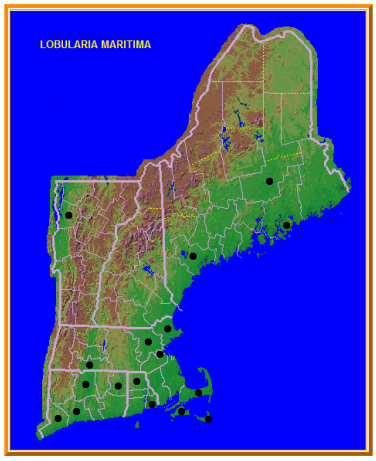
Lobelia dortmanna Linnaeus - **Water Lobelia**. 2n = 14, (16).
Sandy or gravelly pond shores in shallow water.

Lobelia inflata Linnaeus - **Indian Tobacco**. 2n = 14, (16), (28), (56).
Fields, clearings, open woods, roadsides, waste places.

Lobelia kalmii Linnaeus - **Brook Lobelia**. 2n = 14.
Shores, bogs, *Thuja* swamps, in calcareous soil.





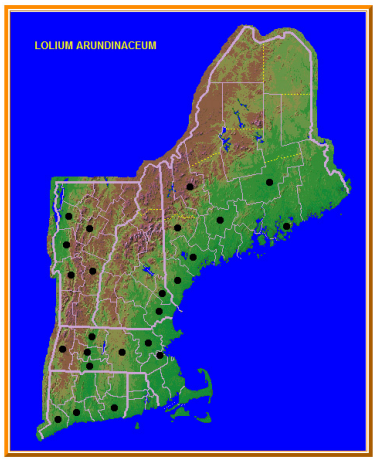


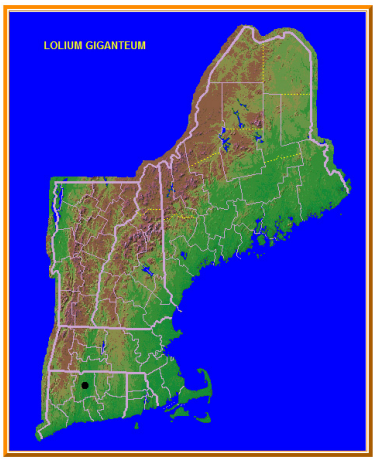
Lobelia siphilitica Linnaeus - **Great Blue Lobelia**. 2n = 14, (42).
Wet spots, often in calcareous soil.

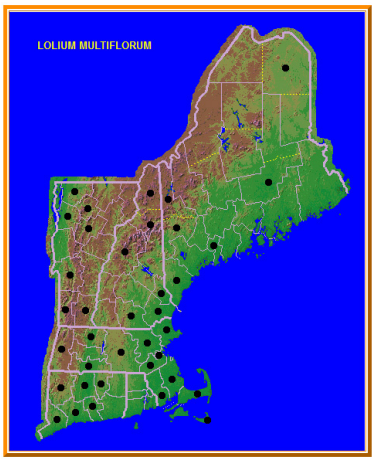
Lobelia spicata Lamarck - **Pale-spiked Lobelia**. 2n = 14.
Rich meadows, moist fields, woodland trails and openings. [*L. spicata* var. *campanulata* McVaugh; *L. spicata* var. *hirtella* A. Gray]

LOBULARIA (Family: Brassicaceae)

LOBULARIA MARITIMA (Linnaeus) Desvaux - **Sweet Alyssum**. 2n = 24, (30), (36), (42), (48).
Waste places, roadsides. From Eurasia, Africa.





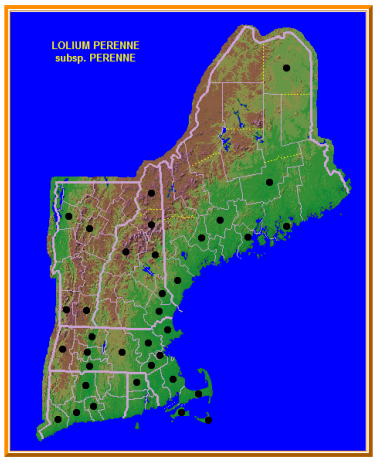


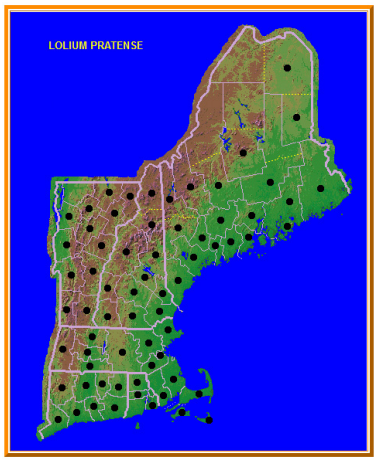
LOLIUM (Family: Poaceae)

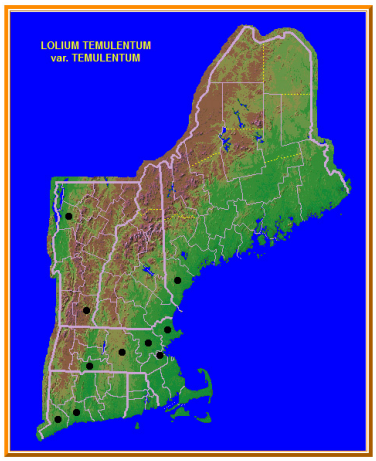
LOLIUM ARUNDINACEUM (Schreber) Darbyshire - **Reed Fescue**. 2n = (28), 42, (56), (70).
Roadsides, meadows. From Europe. [*FESTUCA ARUNDINACEA* Schreber; *F. ELATIOR* Linnaeus in part; *F. PRATENSIS* misapplied]

LOLIUM GIGANTEUM (Linnaeus) Darbyshire - . 2n = (14), (28), 42, (56).
Waste places. From Europe. [*FESTUCA GIGANTEA* (Linnaeus) Villars]

LOLIUM MULTIFLORUM Lamarck - **Italian Ryegrass**. 2n = 14, (28).
Fields, roadsides. From Europe. [*L. MULTIFLORUM* var. *DIMINUTUM* Mutel; *L. PERENNE* Linnaeus var. *ARISTATUM* Willdenow]



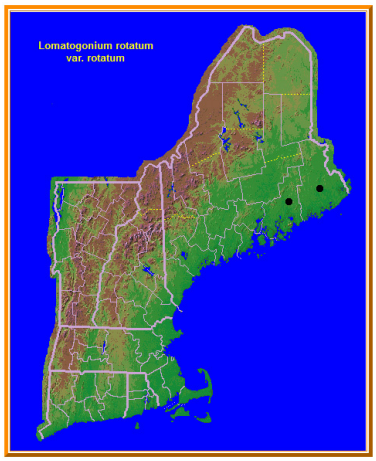


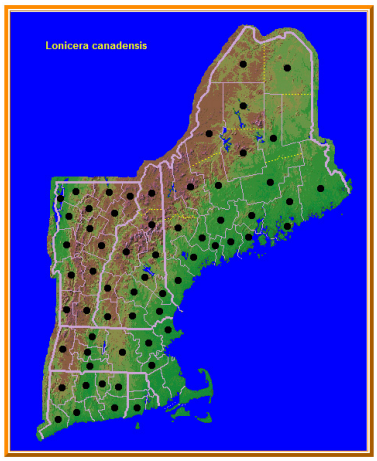


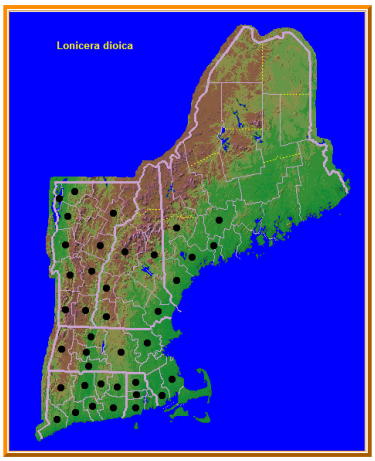
LOLIUM PERENNE Linnaeus subsp. ***PERENNE*** - **Ryegrass**. 2n = 14, (21), (22), (28), (44), (56).
Fields, roadsides. From Europe.

LOLIUM PRATENSE (Hudson) Darbyshire - **Meadow Fescue**. 2n = 14, (28), (42), (56).
Fields, roadsides. From Europe. [*FESTUCA PRATENSIS* Hudson; *F. ELATIOR* Linnaeus in part]

LOLIUM TEMULENTUM Linnaeus var. ***TEMULENTUM*** - **Darnel**. 2n = 14, (28), (56), (70).
Waste places. From Europe.







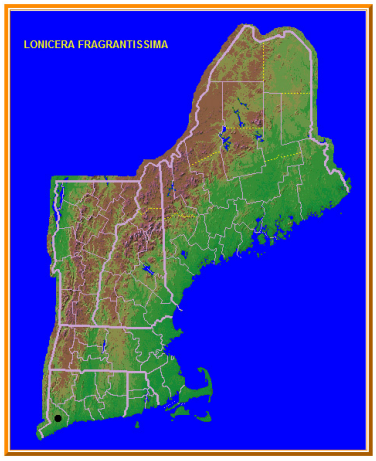
LOMATOGONIUM (Family: Gentianaceae)

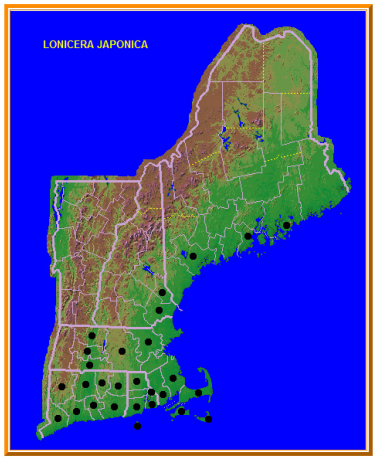
Lomatogonium rotatum (Linnaeus) Fries var. ***rotatum*** - . 2n = 10, 16.
Brackish shores of spray pools, rocky crevices next to tide pools.

LONICERA (Family: Caprifoliaceae)

Lonicera canadensis Bartram & W. Bartram *ex* Marshall - **Fly-Honeysuckle**. 2n = 18.
Woods, often moist or rich, woodland borders.

Lonicera dioica Linnaeus - **Limber Honeysuckle**. 2n = 18.
Open, often rocky woods, ledges, thickets, rocky banks, roadsides, fields.

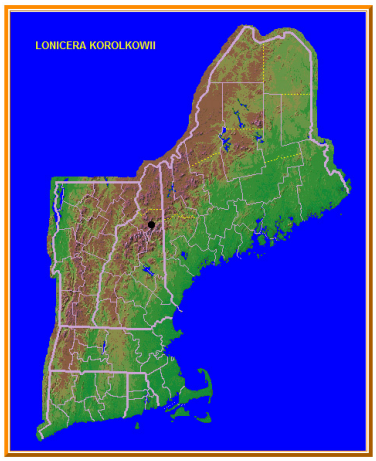


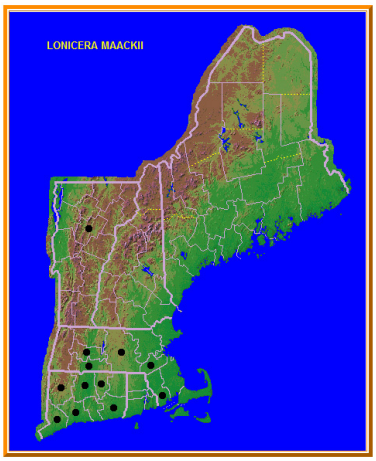


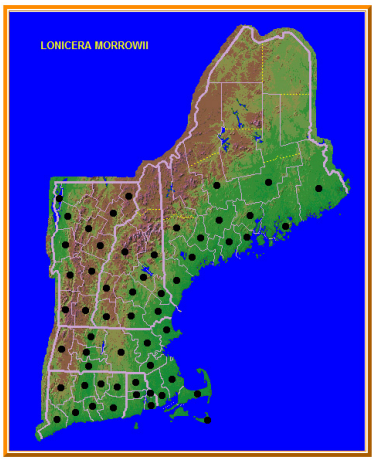
LONICERA FRAGRANTISSIMA Lindley & Paxton - **Sweet-Breath-of-Spring**. 2n = 18.
Shrubby roadsides. From China.

Lonicera hirsuta Eaton - **Hairy Honeysuckle**. 2n = 18.
Wooded ledges, knolls and slopes, in calcareous soil.

LONICERA JAPONICA Thunberg - **Japanese Honeysuckle**. 2n = 18, (36).
Woodland margins, thickets, roadsides. From eastern Asia.



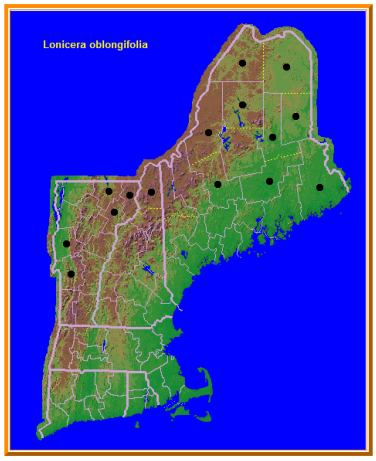


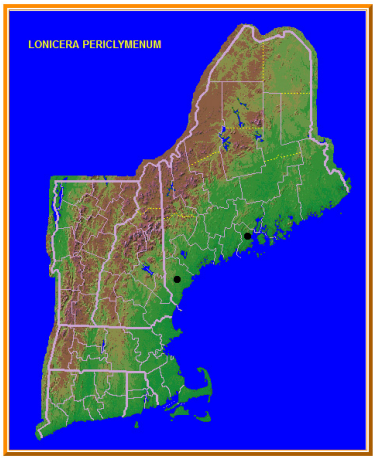


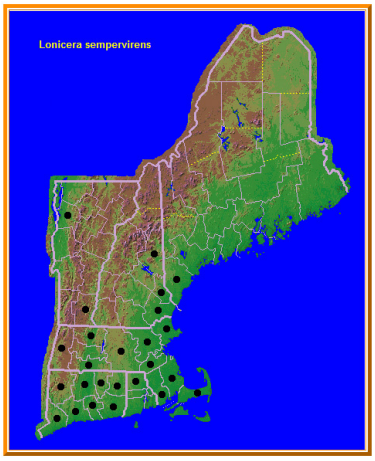
LONICERA KOROLKOWII Stapf - . 2n = ?
Rock walls. From southwestern Asia.

LONICERA MAACKII (Ruprecht) Maximowicz - **Amur Honeysuckle**. 2n = 18.
Woods, woodland margins, fields, roadsides, thickets, waste places. From eastern Asia.

LONICERA MORROWII A. Gray - . 2n = 18.
Roadsides, thickets, fields, woodland margins, waste places. From eastern Asia.



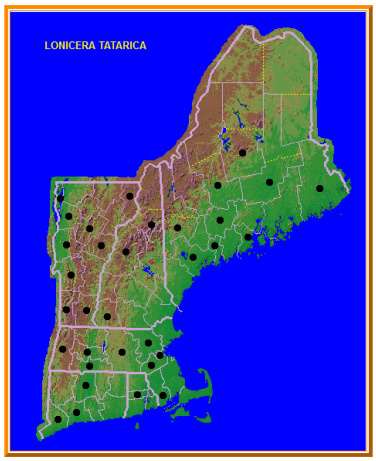


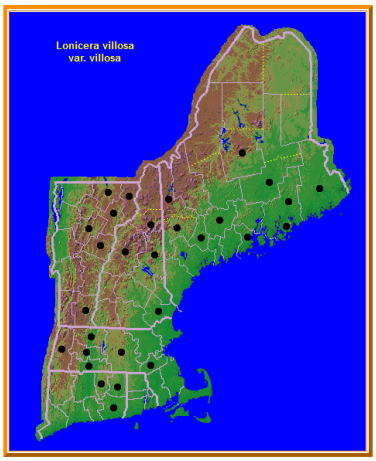


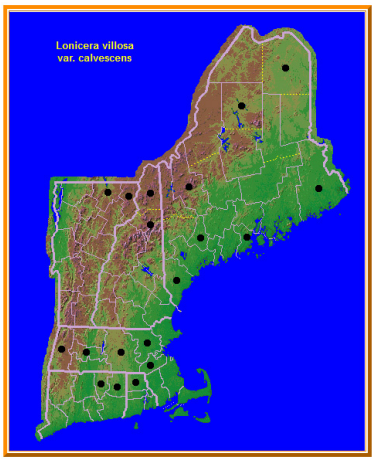
Lonicera oblongifolia (Goldie) Hooker - **Swamp Fly-Honeysuckle**. 2n = 18.
Bogs, swampy thickets, wet woods. [*L. oblongifolia* var. *altissima* (Jennings) Rehder]

LONICERA PERICLYMENUM Linnaeus - **European Honeysuckle**. 2n = 18, 36, 54.
Wooded ledges near habitation, roadsides. From southern Europe, northwestern Africa.

Lonicera sempervirens Linnaeus - **Trumpet Honeysuckle**. 2n = 36.
Woods, wooded banks, thickets, shrubby ledges, roadsides.



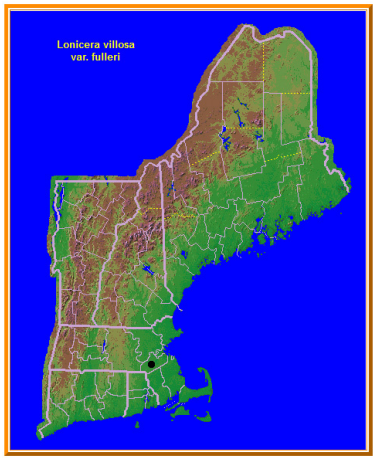


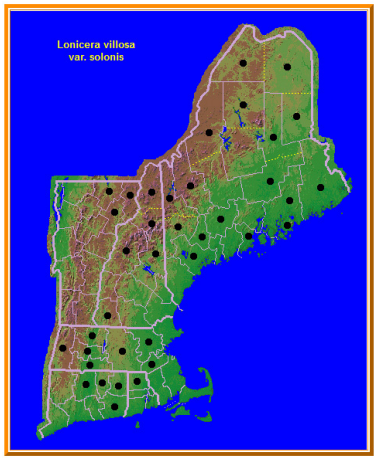


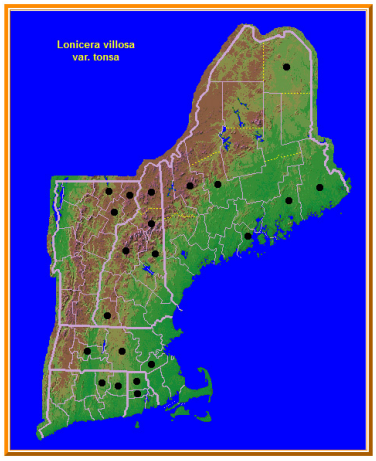
LONICERA TATARICA Linnaeus - **Tartarian Honeysuckle**. 2n = 18.
River thickets, woodland margins, roadsides, waste places. From central Asia.

Lonicera villosa (Michaux) Schultes var. ***villosa*** - **Mountain Fly-Honeysuckle**. 2n = ?
Swamps, meadows, bogs, wet woods, often in sphagnous soil. [*L. caerulea* Linnaeus var. *villosa* (Michaux) Torrey & A. Gray]

Lonicera villosa (Michaux) Schultes var. ***calvescens*** (Fernald & Wiegand) Fernald - . 2n = ?
Swamps, meadows, bogs, wet woods, often in sphagnous soil.



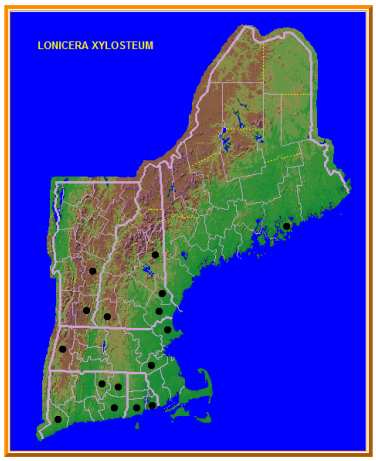


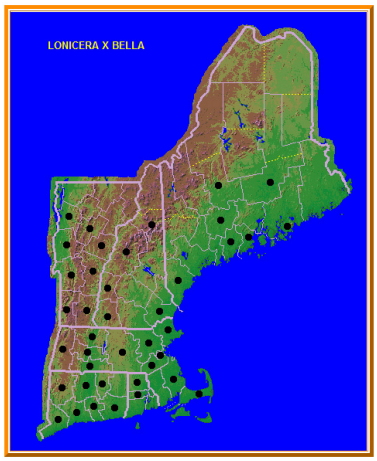


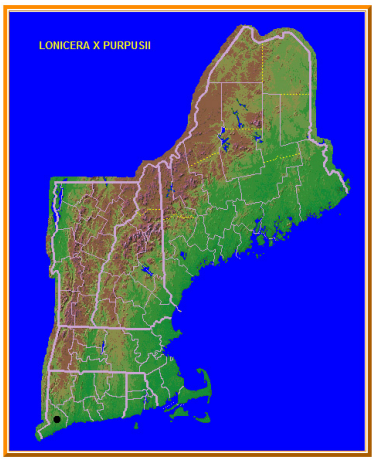
Lonicera villosa (Michaux) Schultes var. ***fulleri*** Fernald - . 2n = ?
Meadows.

Lonicera villosa (Michaux) Schultes var. ***solonis*** (Eaton) Fernald - . 2n = ?
Swamps, meadows, bogs, wet woods, often in sphagnous soil.

Lonicera villosa (Michaux) Schultes var. ***tonsa*** Fernald - . 2n = ?
Swamps, meadows, bogs, wet woods, often in sphagnous soil.





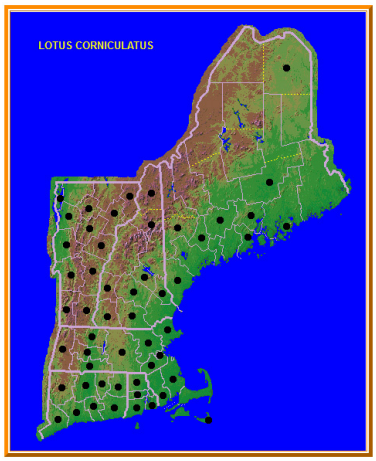


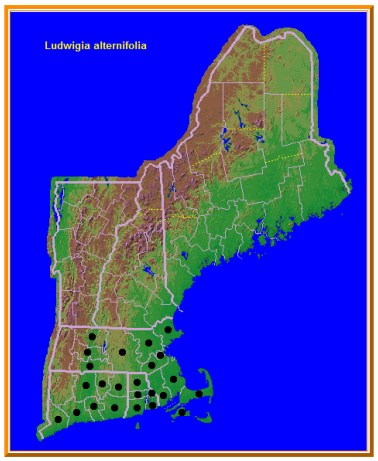
LONICERA XYLOSTEUM Linnaeus - **European Fly-Honeysuckle**. 2n = 18.
Roadsides, thickets, woods, waste places. From Eurasia.

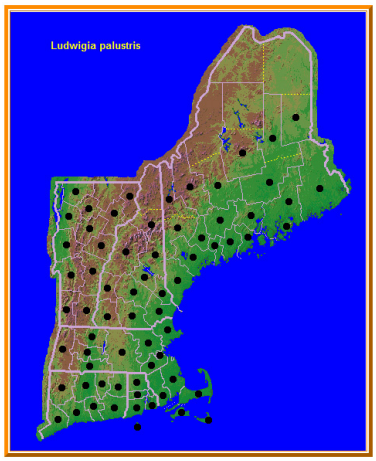
***Lonicera* hybrids**

LONICERA X ***BELLA*** Zabel - .
[*L. MORROWII* A. Gray X *L. TATARICA* Linnaeus]

LONICERA X ***PURPUSII*** Rehder - .
[*L. FRAGRANTISSIMA* Lindley & Paxton X *L. STANDISHII* Carrière]







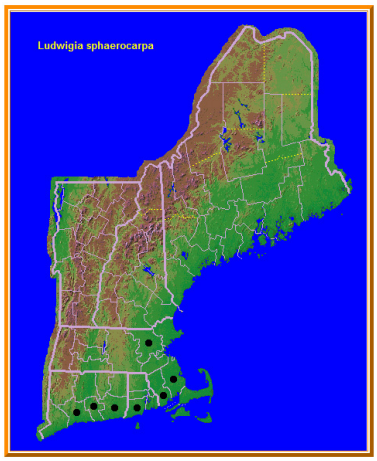
LOTUS (Family: Fabaceae)

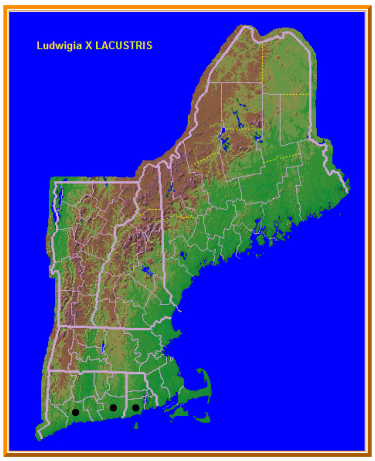
LOTUS CORNICULATUS Linnaeus – **Bird's-foot Trefoil**. 2n = (10), (12), (16), 24, (26), (28), (32), (36).
Roadsides, fields, waste places, meadows. From Eurasia, Africa.

LUDWIGIA (Family: Onagraceae)

Ludwigia alternifolia Linnaeus - **Seedbox**. 2n = 16.
Pond and stream shores, swamps, marshes.

Ludwigia palustris (Linnaeus) Elliott - **Common Water-purslane**. 2n = 16.
Pond and stream shores, swamps. [*L. palustris* var. *americana* (de Candolle) Fernald & Griscom]



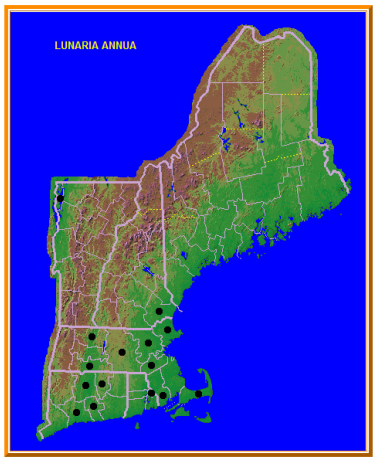


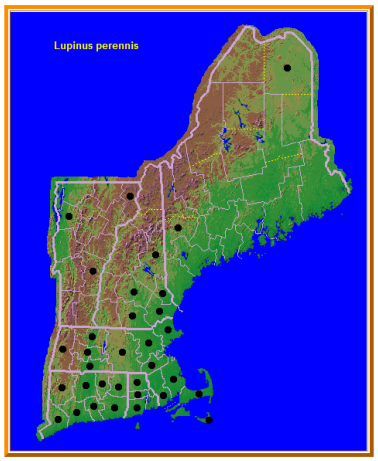
Ludwigia polycarpa Short & R. Peter - . 2n = 32.
Pond and stream shores.

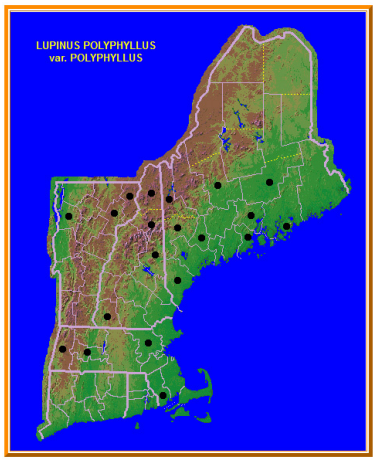
Ludwigia sphaerocarpa Elliott - . 2n = 32.
Pond and stream shores, marshes. [*L. sphaerocarpa* var. *macrocarpa* Fernald & Griscom]

***Ludwigia* hybrid**

Ludwigia X ***LACUSTRIS*** Eames (*pro species*) - .
[*L. BREVIPES* (Long) Eames X *L. palustris* (Linnaeus) Elliott]







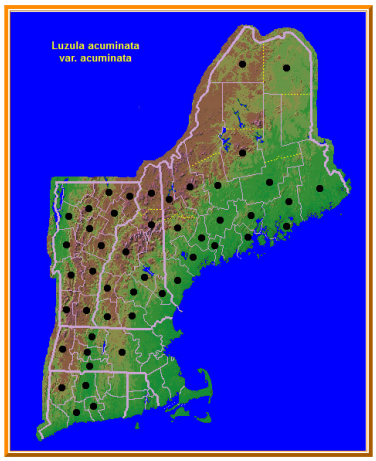
LUNARIA (Family: Brassicaceae)

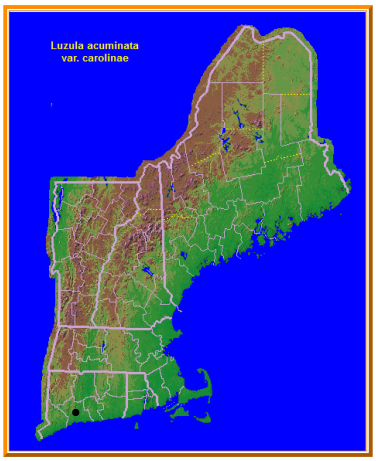
LUNARIA ANNUA Linnaeus - **Honesty**. 2n = (28), 30.
Roadsides, waste places. From Europe.

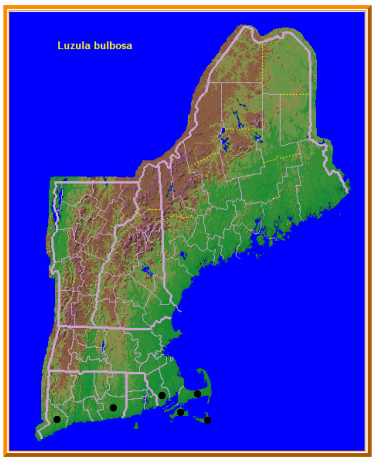
LUPINUS (Family: Fabaceae)

Lupinus perennis Linnaeus - **Wild Lupine**. 2n = 48, 96.
Dry, sandy or gravelly soil, roadsides, railroads, dry, open woods, clearings, fields. [*L. perennis* var. *occidentalis* S. Watson]

LUPINUS POLYPHYLLUS Lindley var. ***POLYPHYLLUS*** - **Garden Lupine**. 2n = 48, (96).
Roadsides, fields. From farther west.





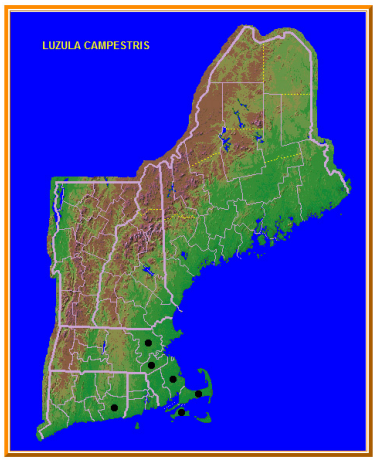


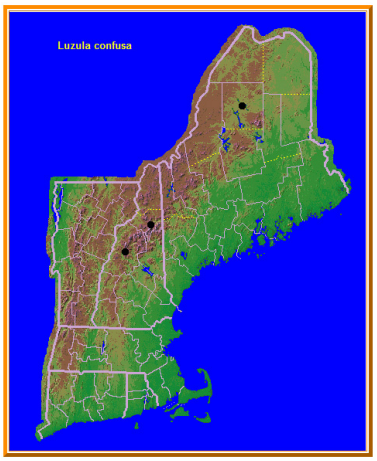
LUZULA (Family: Juncaceae)

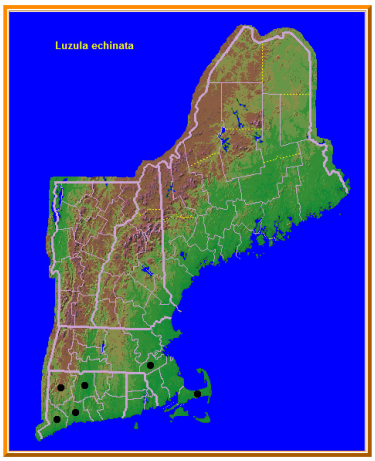
Luzula acuminata Rafinesque var. ***acuminata*** - . 2n = 18, 48.
Thickets, clearings, woods.

Luzula acuminata Rafinesque var. ***carolinae*** (S. Watson) Fernald - . 2n = ?
Calcareous woodland ledges.

Luzula bulbosa (Alph. Wood) Smyth & L.C.R. Smyth - . 2n = 12.
Dry, sandy, open woods and fields.



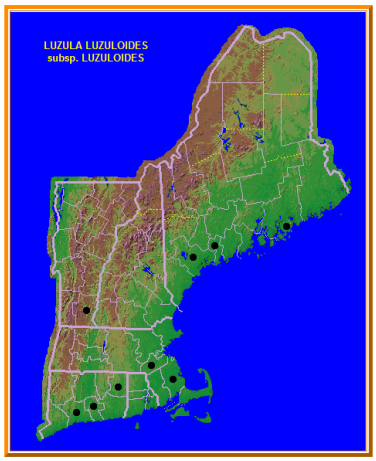


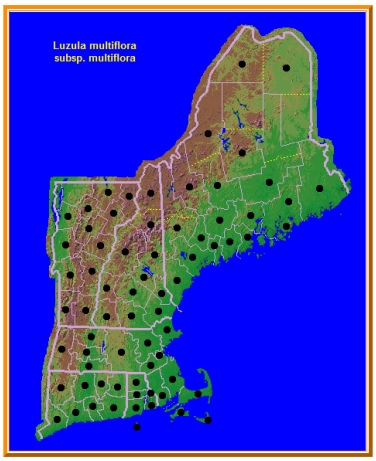


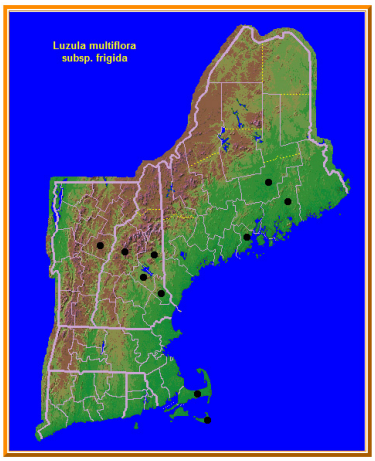
LUZULA CAMPESTRIS (Linnaeus) de Candolle - . 2n = 12, (13), (14), (16), (18), (24), (30), (36).
Lawns. From Europe.

Luzula confusa Lindeberg - **Northern Woodrush**. 2n = 36, (48).
Alpine areas.

Luzula echinata (Small) F.J. Hermann - . 2n = 12.
Woods, thickets, clearings. [*L. campestris* (Linnaeus) de Candolle var. *echinata* (Small) Fernald & Wiegand]



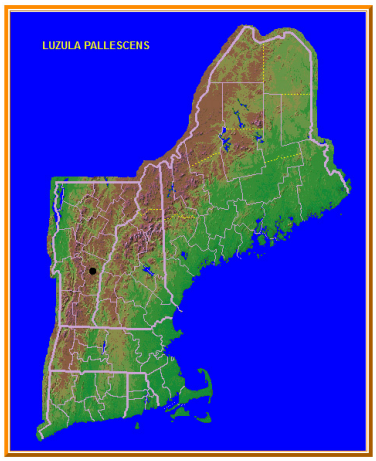


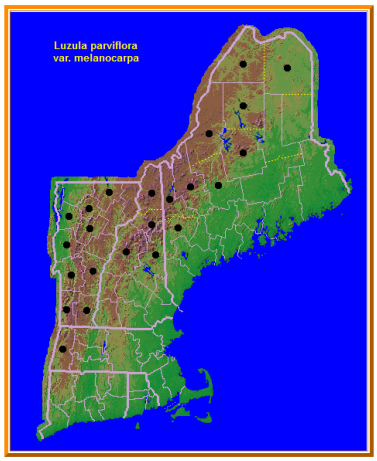


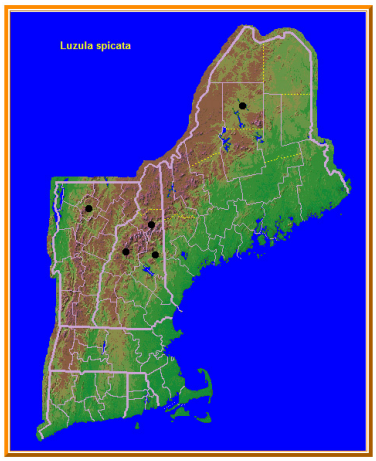
LUZULA LUZULOIDES (Lamarck) Dandy & Wilmott subsp. ***LUZULOIDES*** - **Forest Woodrush**. 2n = 12.
Rocky woods, roadsides, lawns. From Europe.

Luzula multiflora (Ehrhart) Lejeune subsp. ***multiflora*** - **Common Woodrush**. 2n = 12, (18), 24, (28), 36, (42), 48.
Open woods, dry fields, meadows. [*L. multiflora* var. *acadiensis* Fernald; *L. campestris* (Linnaeus) de Candolle var. *multiflora* (Ehrhart) Čelakovský]

Luzula multiflora (Ehrhart) Lejeune subsp. ***frigida*** (Buchenau) V.I. Kreczetowicz - . 2n = (24), 36.
Sphagnous barrens, clearings, fields. [*L. multiflora* var. *fusconigra* Čelakovský]



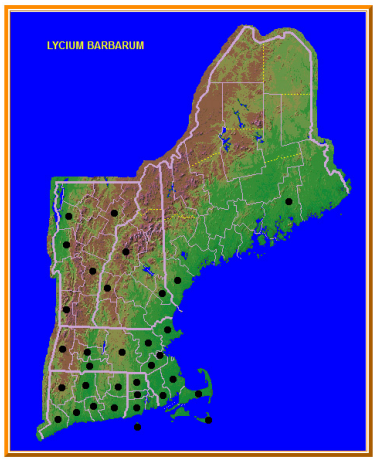


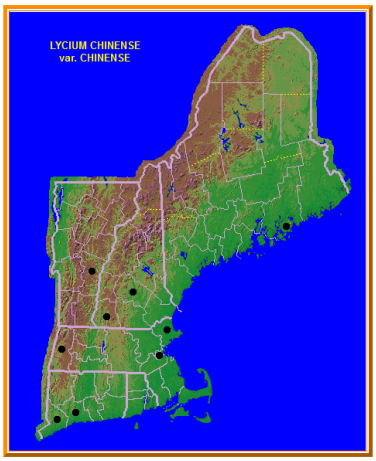


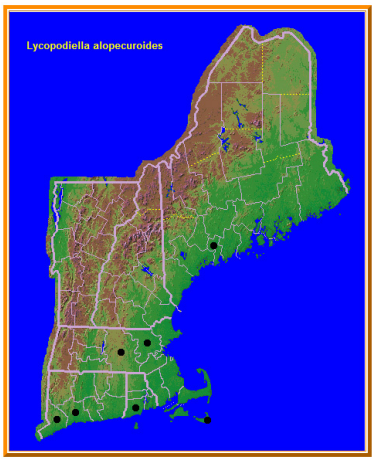
LUZULA PALLESCENS Swartz - . 2n = 12, (24), (48).
Meadows, open woods, clearings, rocky places. From Eurasia. [*L. PALLIDULA* Kirschner]

Luzula parviflora (Ehrhart) Desvaux var. ***melanocarpa*** (Michaux) A. Gray - . 2n = 24.
Mossy wooded banks, dry woods, damp thickets, often rocky places.

Luzula spicata (Linnaeus) de Candolle - **Alpine Woodrush**. 2n = (12), (14), (18), 24, (36).
Alpine areas.







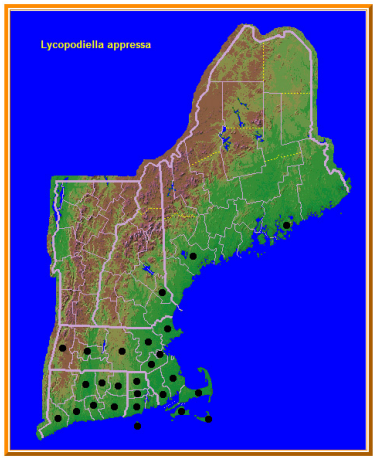
LYCIUM (Family: Solanaceae)

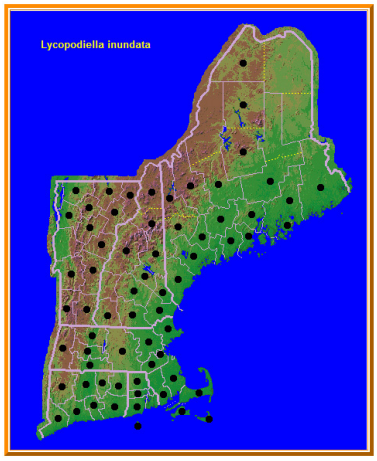
LYCIUM BARBARUM Linnaeus - **Common Matrimony-vine**. 2n = 24, (36), (48).
Waste places, roadsides, fields, waste places, thickets. From China. [*L. HALIMIFOLIUM* Miller]

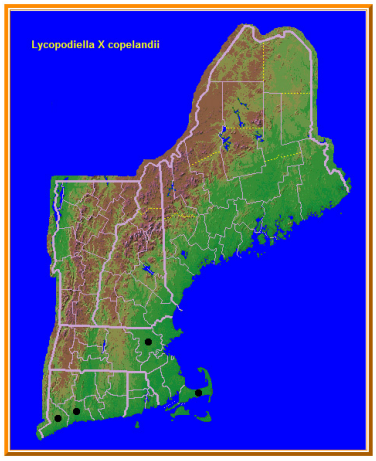
LYCIUM CHINENSE Miller var. ***CHINENSE*** - **Chinese Matrimony-vine**. 2n = 24, (36), (48).
Waste places, roadsides. From eastern Asia.

LYCOPODIELLA (Family: Lycopodiaceae)

Lycopodiella alopecuroides (Linnaeus) Cranfill - **Foxtail Clubmoss**. 2n = 156.
Bogs, marshes, ditches, sandy or peaty shores, wet barrens, in acid soils. [*Lycopodium alopecuroides* Linnaeus]





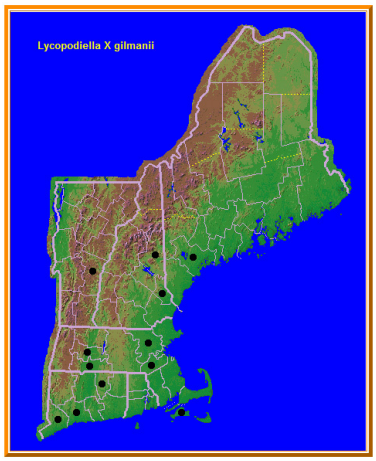


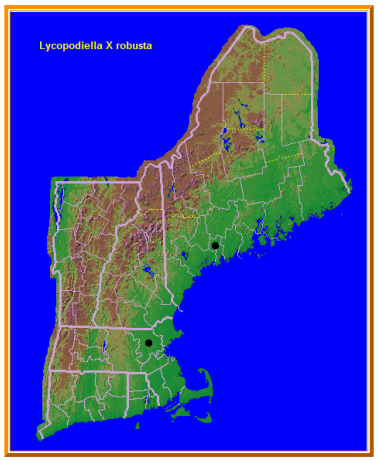
Lycopodiella appressa (Chapman) Cranfill - **Appressed Bog Clubmoss**. 2n = 156.
Damp, acid or peaty soils in the open. [*Lycopodium appressum* (Chapman) F.E. Lloyd & Underwood; *L. inundatum* Linnaeus var. *bigelovii* Tuckerman]

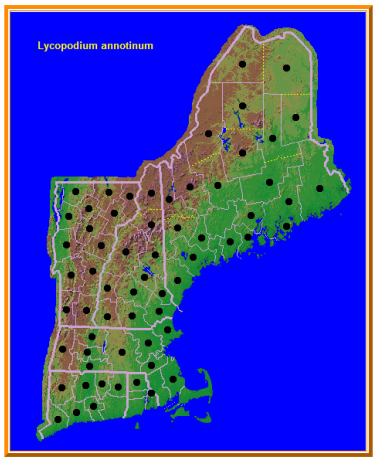
Lycopodiella inundata (Linnaeus) Holub - **Bog Clubmoss**. 2n = 156.
Damp, acid, sandy, or peaty soils in the open. [*Lycopodium inundatum* Linnaeus]

***Lycopodiella* hybrids**

Lycopodiella X ***copelandii*** (Eiger) Cranfill - .
[*L. alopecuroides* (Linnaeus) Cranfill X *L. appressa* (Chapman) Cranfill]





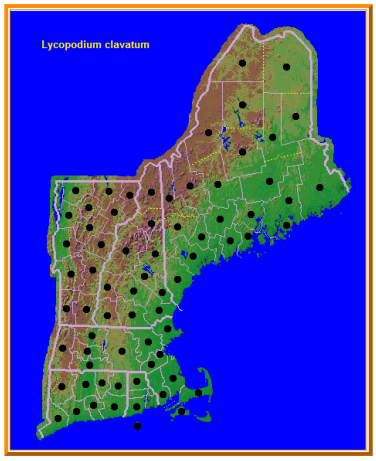


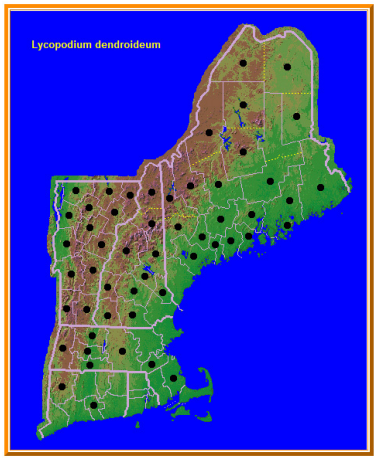
Lycopodiella X ***gilmanii*** A. Haines - .
[*L. appressa* (Chapman) Cranfill X *L. inundata* (Linnaeus) Holub]

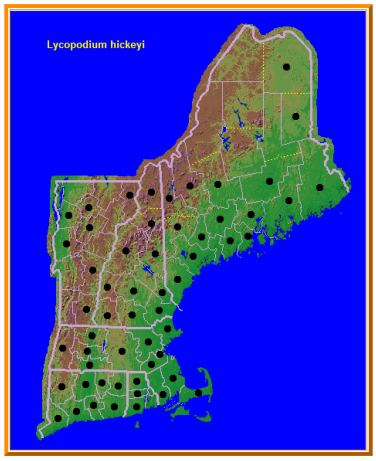
Lycopodiella X ***robusta*** (R.J. Eaton) A. Haines - .
[*L. alopecuroides* (Linnaeus) Cranfill X *L. inundata* (Linnaeus) Holub; *Lycopodium inundatum* Linnaeus var. *robustum* R.J. Eaton]

LYCOPODIUM (Family: Lycopodiaceae)

Lycopodium annotinum Linnaeus - **Stiff Clubmoss**. 2n = (66), 68.
Woods, cool shaded thickets, exposed rocky or peaty habitats at higher elevations. [*L. annotinum* var. *acrifolium* Fernald; *L. annotinum* var. *alpestre* C. Hartman; *L. annotinum* var. *pungens* Desvaux *ex* Spring]



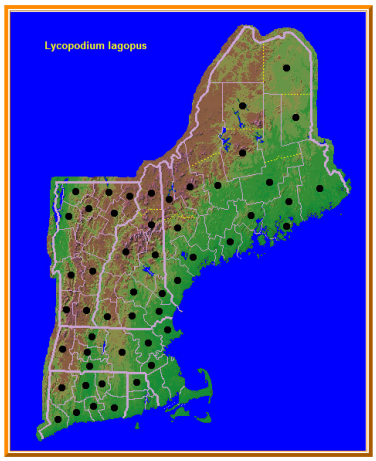


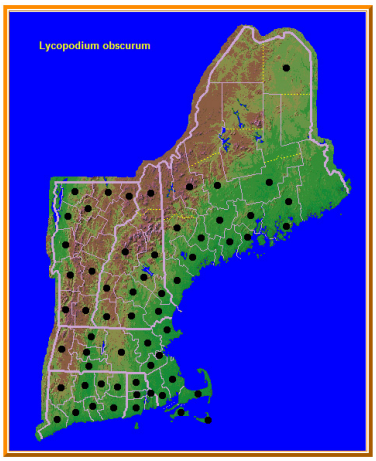


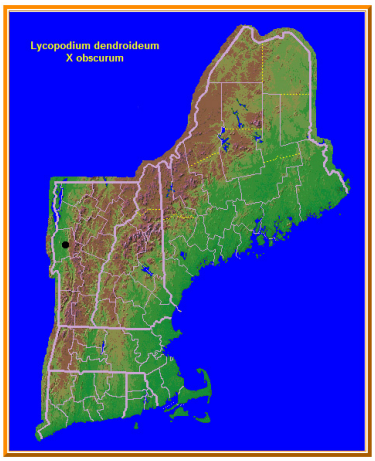
Lycopodium clavatum Linnaeus - **Staghorn Clubmoss**. 2n = (28), (34), 68, (102), (136).
Open, usually dry, woods and thickets, clearings, exposed rocky situations, in acid soils. [*L. clavatum* var. *subremotum* Victorin]

Lycopodium dendroideum Michaux - **Tree Clubmoss**. 2n = 68.
Dry, open woods and clearings. [*L. obscurum* Linnaeus var. *dendroideum* (Michaux) D.C. Eaton]

Lycopodium hickeyi W.H. Wagner, Beitel & R.C. Moran - **Hickey's Clubmoss**. 2n = 68.
Mainly deciduous woods and thickets, usually in acid soils. [*L. obscurum* Linnaeus var. *isophyllum* Hickey]





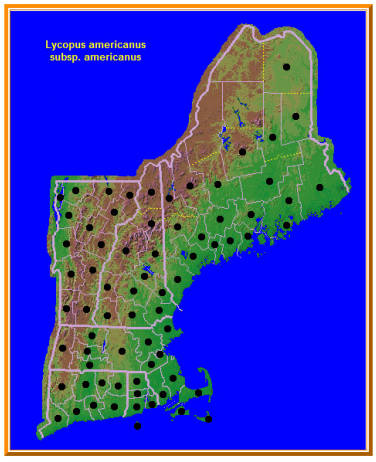


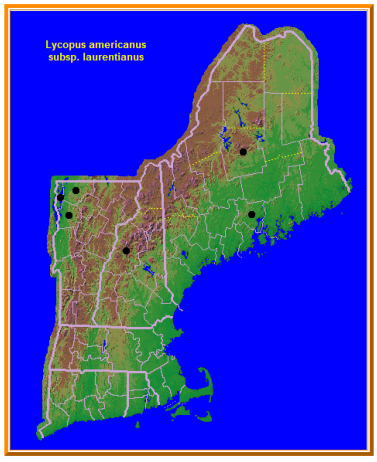
Lycopodium lagopus (Laestadius *ex* C. Hartman) G. Zinserling *ex* Kuzeneva-Prochorova - . 2n = 68.
Grassy fields and openings in second-growth woods. [*L. clavatum* Linnaeus var. *megastachyon* Fernald & Bissell; *L. clavatum* Linnaeus var. *monostachyon* Hooker & Greville]

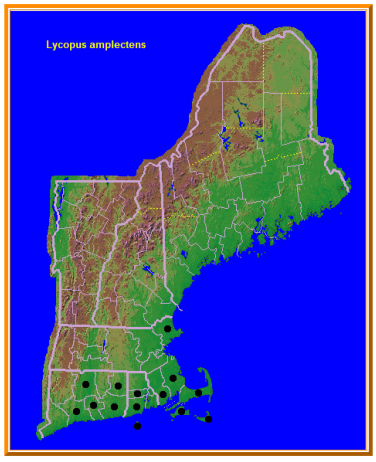
Lycopodium obscurum Linnaeus - **Tree Clubmoss**. 2n = 68.
Rich woods, clearings, edges of boggy forests, usually in acid soils.

***Lycopodium* hybrid**

Lycopodium dendroideum Michaux X ***L. obscurum*** Linnaeus





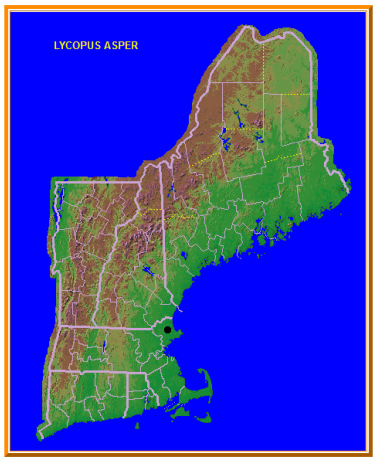


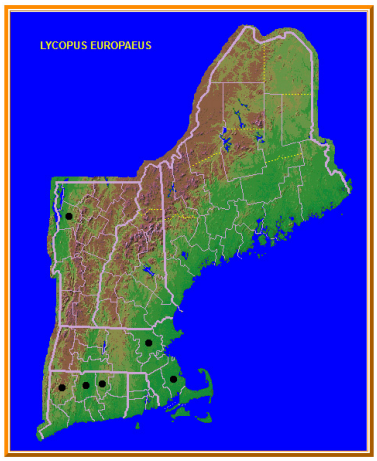
LYCOPUS (Family: Lamiaceae)

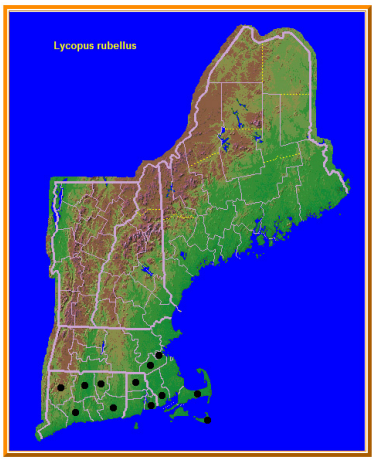
Lycopus americanus Muhlenberg *ex* W.P.C. Barton subsp. ***americanus*** - . 2n = 22.
Swampy woodlands, thickets, shores.

Lycopus americanus Rolland-Germain subsp. ***laurentianus*** (Rolland-Germain) Coursol & Bailleul - . 2n = 22.
Shores. [*L. laurentianus* Rolland-Germain]

Lycopus amplectens Rafinesque - . 2n = 22.
Pond shores, bogs, swamps, in damp, sandy or peaty, soil. [*L. amplectens* var. *pubens* (Britton *ex* Small) Fernald]



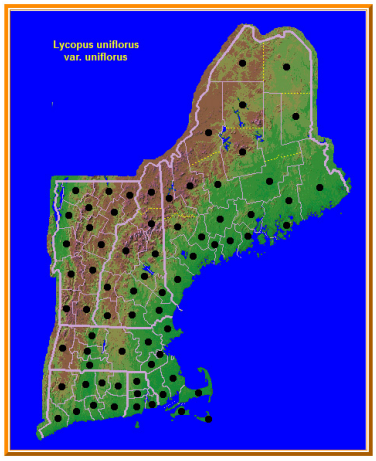


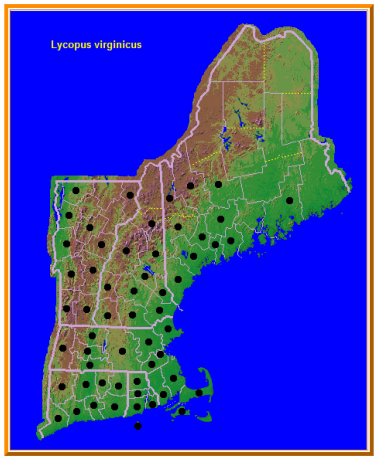


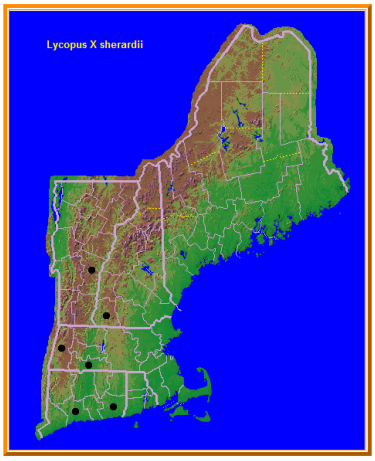
LYCOPUS ASPER Greene - . 2n = 22.
Fields. From farther west.

LYCOPUS EUROPAEUS Linnaeus - . 2n = 22.
Waste places, roadsides. From Eurasia. [*L. EUROPAEUS* var. *MOLLIS* (J. Kerner) Briquet]

Lycopus rubellus Moench - . 2n = 22.
Wet fields, swamps, thickets, shores.





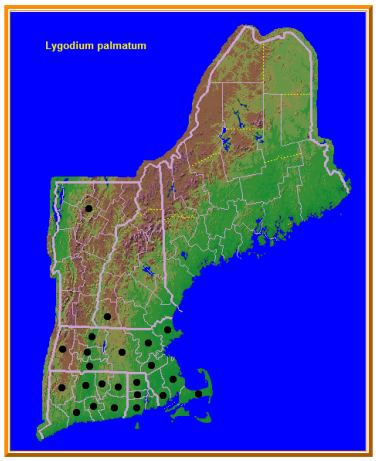


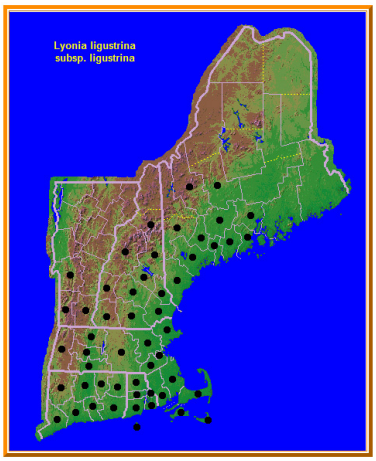
Lycopus uniflorus Michaux var. ***uniflorus*** - **Northern Bugleweed**. 2n = 22.
Shady, moist places, swamps, shores.

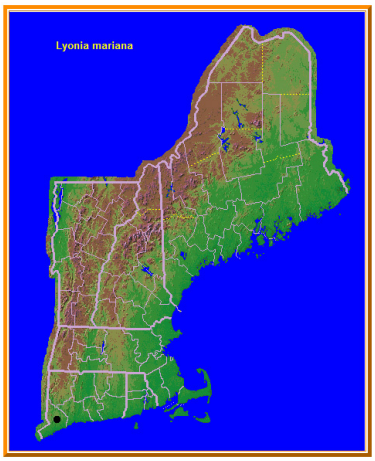
Lycopus virginicus Linnaeus - . 2n = 22.
Swampy woodlands, shores, wetland margins.

Lycopus hybrid

Lycopus X ***sherardii*** E.S. Steele (*pro species*) - .
[*L. uniflorus* Michaux X *L. virginicus* Linnaeus]







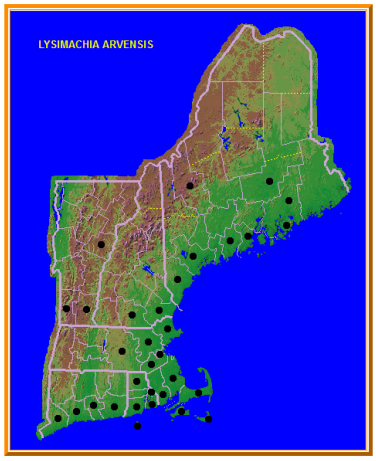
LYGODIUM (Family: Lygodiaceae)

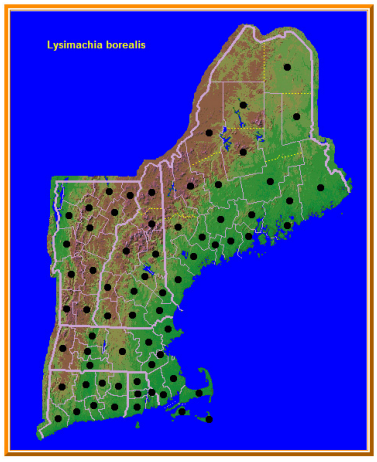
Lygodium palmatum (Bernhardi) Swartz - **Climbing Fern**. 2n = 60.
Damp thickets and woods, stream banks, in acid soils.

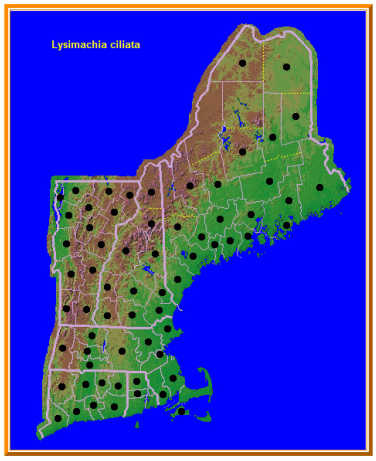
LYONIA (Family: Ericaceae)

Lyonia ligustrina (Linnaeus) de Candolle var. ***ligustrina*** - **Maleberry**. 2n = 24.
Swamps, moist thickets, stream and pond margins.

Lyonia mariana (Linnaeus) D. Don - **Staggerbush**. 2n = 24.
Open, acidic, pine or oak woods.





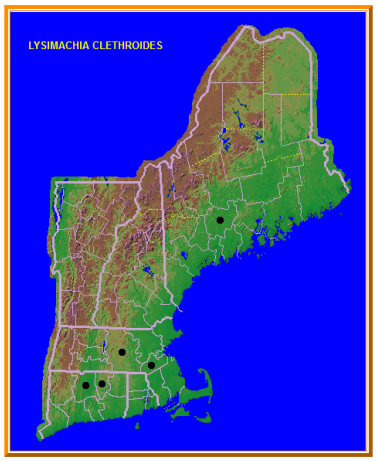


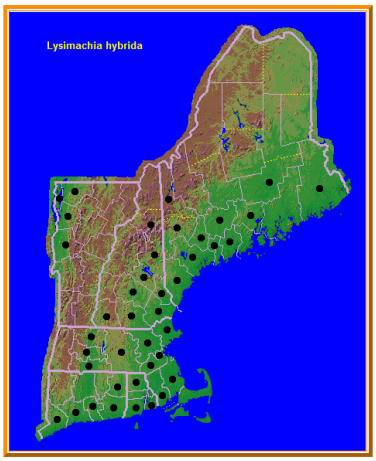
LYSIMACHIA (Family: Primulaceae)

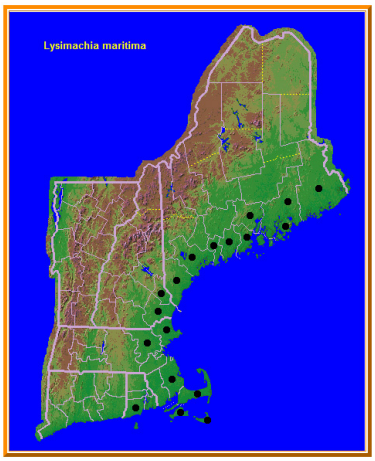
LYSIMACHIA ARVENSIS (Linnaeus) U. Manns & Anderberg - **Scarlet Pimpernel**. 2n = (22), (28), 40, (80).
Dry, sandy, waste fields. From Eurasia. [*ANAGALLIS ARVENSIS* Linnaeus var. *ARVENSIS*; *A. ARVENSIS* var. *CAERULEA* Gouan]

Lysimachia borealis U. Manns & Anderberg - **Starflower**. 2n = 96.
Woods, usually dry. [*Trientalis borealis* Rafinesque]

Lysimachia ciliata Linnaeus - **Fringed Loosestrife**. 2n = 34, 72, 92, 96, 100, 108, 112.
Moist thickets, rich woods and shores, roadsides. [*Steironema ciliatum* (Linnaeus) Baudo]



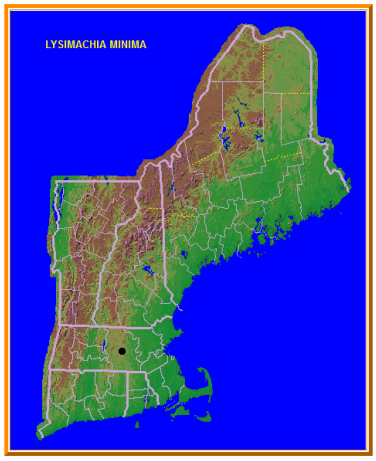


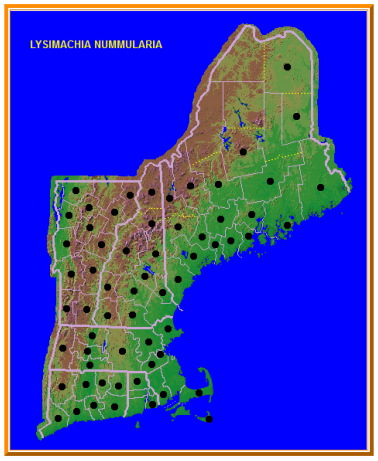


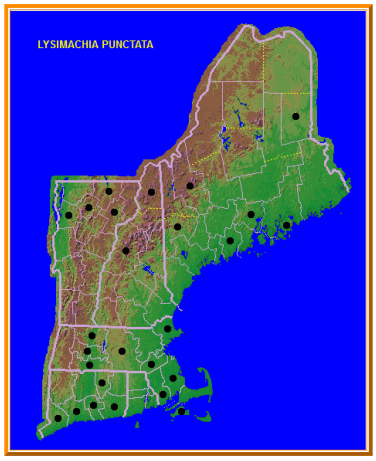
LYSIMACHIA CLETHROIDES Duby - **Gooseneck Loosestrife**. 2n = 24.
Moist meadows, woodland margins, open thickets. From eastern Asia.

Lysimachia hybrida Michaux - **Lowland Loosestrife**. 2n = 34.
Swamps, shores.

Lysimachia maritima (Linnaeus) Galasso, Banfi & Soldano - **Sea Milkwort**. 2n = 30.
Saline or brackish shores, salt marshes. [*Glaux maritima* Linnaeus var. *maritima*; *G. maritima* var. *obtusifolia* Fernald]



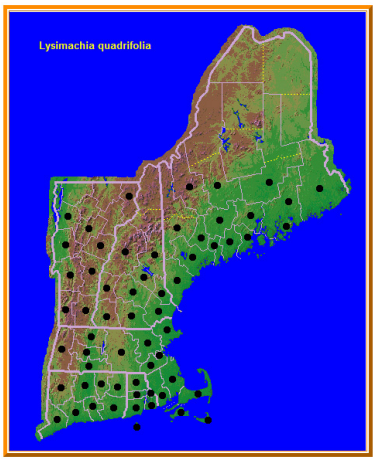


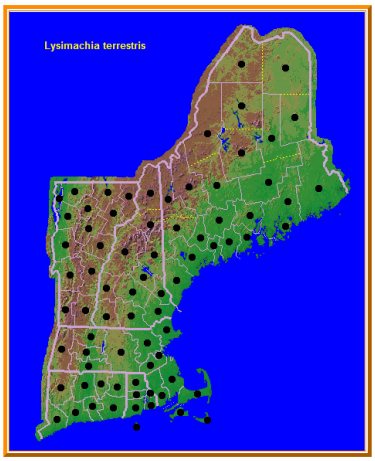


LYSIMACHIA MINIMA (Linnaeus) U. Manns & Anderberg - **Chaffweed**. 2n = 22.
Damp roadsides. From Europe, northwestern Africa. [*ANAGALLIS MINIMA* (Linnaeus) E.H.L. Krause; *CENTUNCULUS MINIMUS* Linnaeus]

LYSIMACHIA NUMMULARIA Linnaeus - **Moneywort**. 2n = 30, 32, 36, 43, 44, 45.
Damp roadsides, wet meadows, shores. From Eurasia.

LYSIMACHIA PUNCTATA Linnaeus - **Garden Loosestrife**. 2n = 30.
Roadsides, old house sites, waste ground, old fields. From Europe.

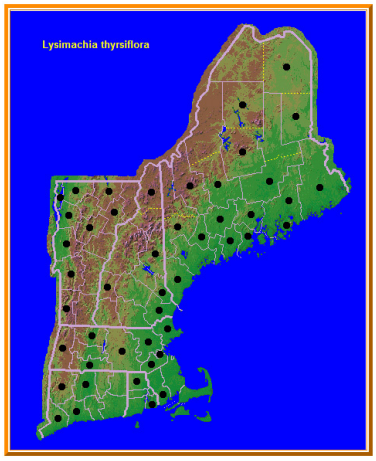


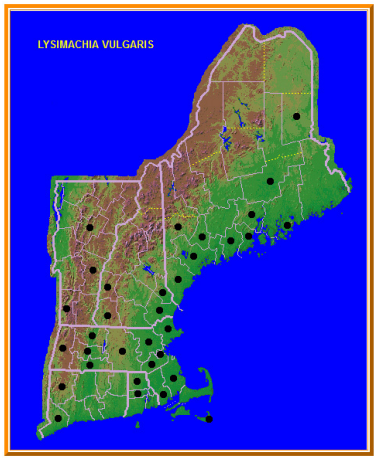


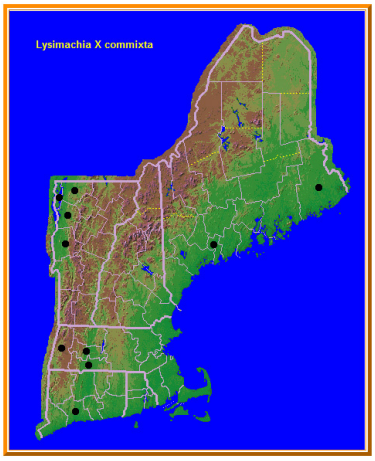
LYSIMACHIA QUADRIFLORA Sims - . 2n = 68, 96.
Dryish woods. From farther west.

Lysimachia quadrifolia Linnaeus - **Whorled Loosestrife**. 2n = 84, 90.
Open woods, clearings, roadsides, thickets.

Lysimachia terrestris (Linnaeus) Britton, Sterns & Poggenberg - **Swamp Candles**. 2n = 84.
Swamps, shores, low, wet ground, roadside ditches. [*L. terrestris* var. *ovata* (E.L. Rand & Redfield) Fernald]





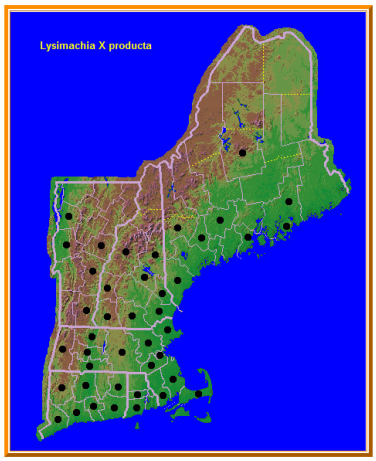


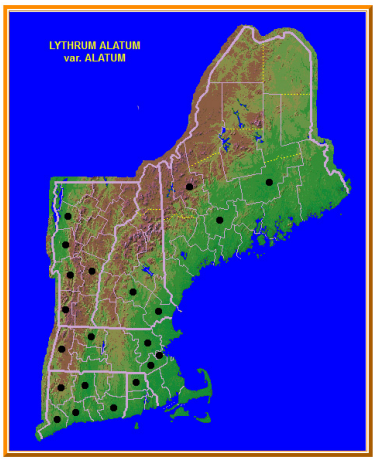
Lysimachia thyrsiflora Linnaeus - **Tufted Loosestrife**. 2n = (20), 40, 42, (54).
Bogs, cold swamps, marshes. [*Naumburgia thyrsiflora* (Linnaeus) Reichenbach]

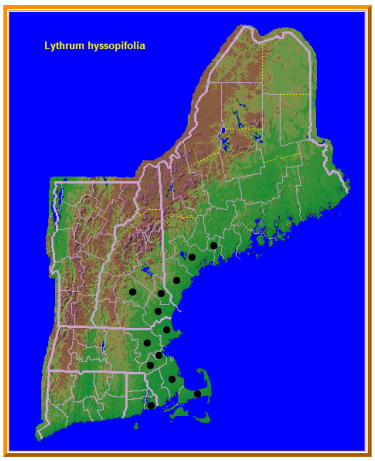
LYSIMACHIA VULGARIS Linnaeus - **Garden Loosestrife**. 2n = (28), 42, 84.
Wet roadsides, swampy thickets, waste places, old house sites. From coastal Europe.

***Lysimachia* hybrids**

Lysimachia X ***commixta*** Fernald - .
[*L. terrestris* (Linnaeus) Britton, Sterns & Poggenberg X *L. thyrsiflora* Linnaeus]





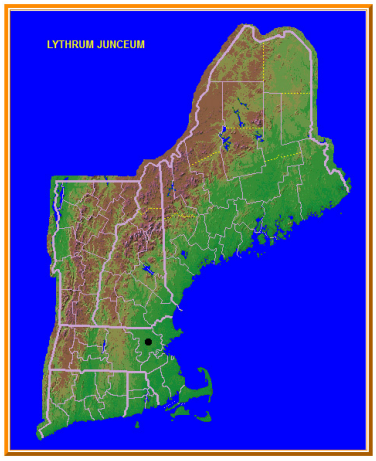


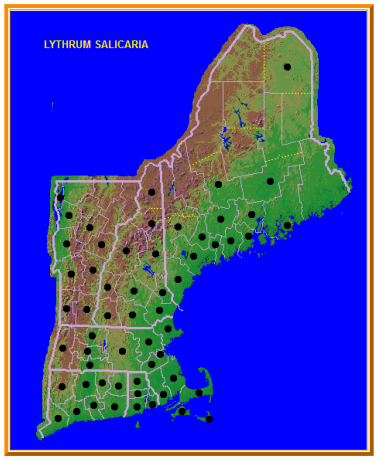
Lysimachia X ***producta*** (A. Gray) Fernald (*pro species*) - .
Bogs, swamps, open, moist woods, damp thickets, shores. [*L. quadrifolia* Linnaeus X *L. terrestris* (Linnaeus) Britton, Sterns & Poggenberg]

LYTHRUM (Family: Lythraceae)

LYTHRUM ALATUM Pursh var. ***ALATUM*** - **Winged Loosestrife**. 2n = 10, 20.
Meadows, moist fields, streambanks, swamps, roadsides. From farther west and south.

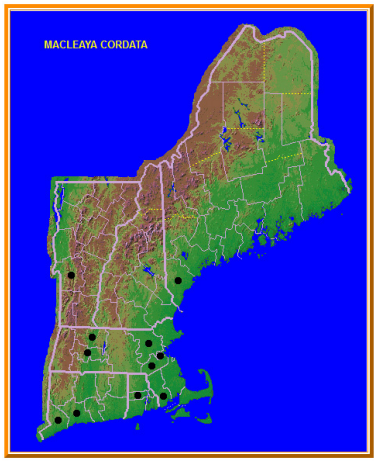
Lythrum hyssopifolia Linnaeus - . 2n = 20, (30).
Salt marsh margins, moist dune hollows.

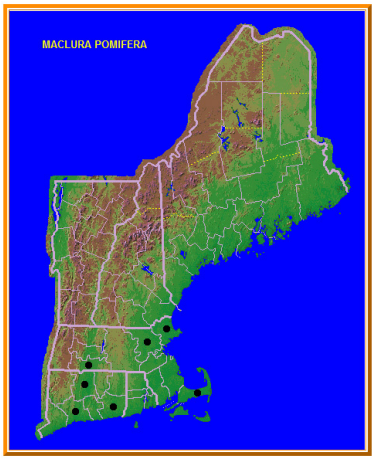


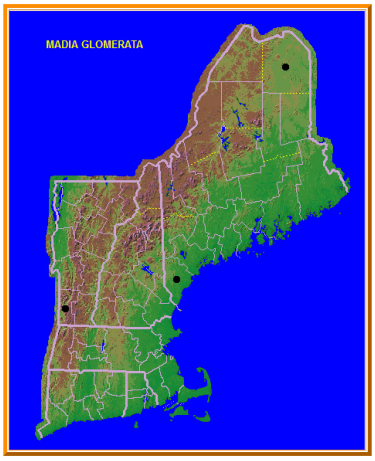


LYTHRUM JUNCEUM Banks & Solander - . 2n = 10.
Sandy streambanks. From Mediterranean region.

LYTHRUM SALICARIA Linnaeus - **Purple Loosestrife**. 2n = 30, (50), (58), 60.
River meadows, swamps, marshes, shores, wet roadsides. From Eurasia, northwestern Africa. [*L. SALICARIA* var. *GRACILIOR* Turczaninow; *L. SALICARIA* var. *TOMENTOSUM* (Miller) de Candolle]







MACLEAYA (Family: Papaveraceae)

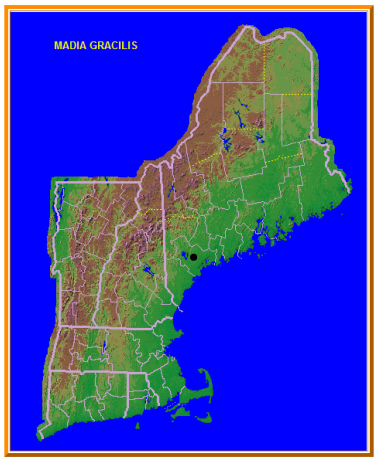
MACLEAYA CORDATA (Willdenow) R. Brown - **Plume-poppy**. 2n = (10), 20.
Waste places, thickets, roadsides. From eastern Asia.

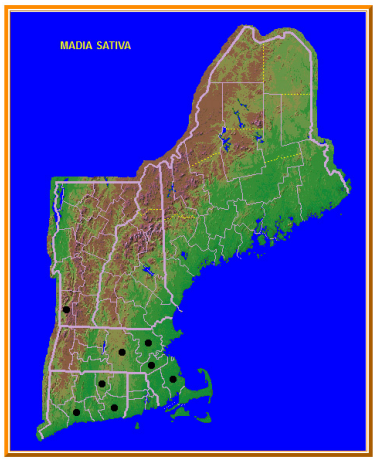
MACLURA (Family: Moraceae)

MACLURA POMIFERA (Rafinesque) C.K. Schneider - **Osage-orange**. 2n = 56.
Fields, roadsides. From farther west and south.

MADIA (Family: Asteraceae)

MADIA GLOMERATA Hooker - **Mountain Tarweed**. 2n = 28.
Waste places, roadsides. From farther west.



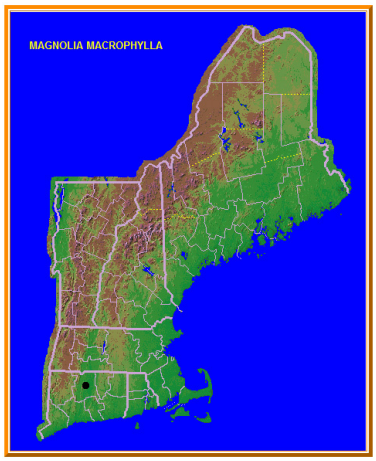


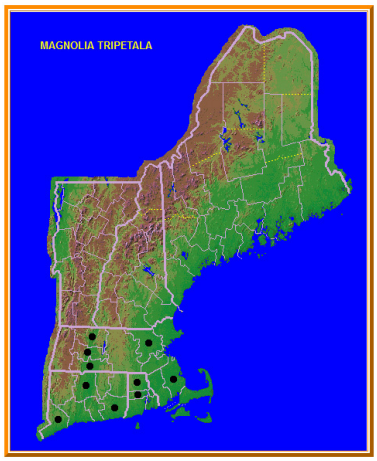
MADIA GRACILIS (Smith) D.D. Keck - . 2n = 32, 48.
Fields, waste places. From farther west. [*M. DISSITIFLORA* (Nuttall) Torrey & A. Gray; *M. SATIVA* Molina subsp. *DISSITIFLORA* (Nuttall) D.D. Keck]

MADIA SATIVA Molina - . 2n = 32.
Fields, waste places, roadsides. From farther west. [*M. SATIVA* var. *CONGESTA* Torrey & A. Gray]

MAGNOLIA (Family: Magnoliaceae)

Magnolia acuminata (Linnaeus) Linnaeus - **Cucumber-tree**. 2n = 76.
Rich woods.

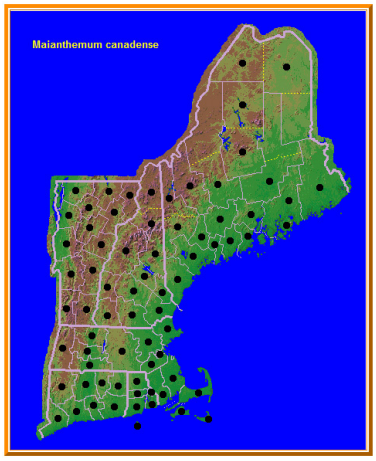


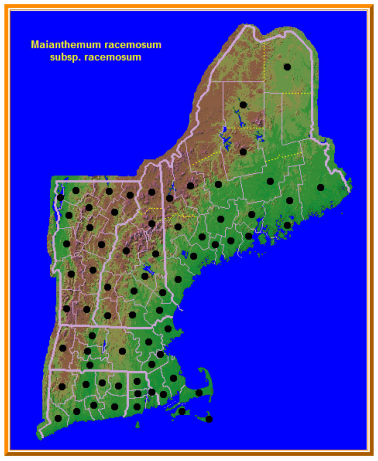


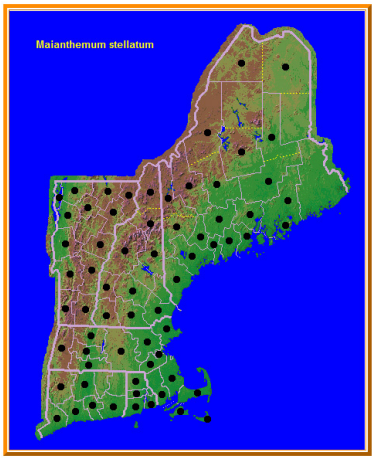
MAGNOLIA MACROPHYLLA Michaux - **Great-leaved Magnolia**. 2n = 38.
Escaped in sandy, deciduous woodlands. From farther south and west.

MAGNOLIA TRIPETALA (Linnaeus) Linnaeus - **Umbrella-tree**. 2n = 38.
Escaped in rich woodlands. From farther south and west.

Magnolia virginiana Linnaeus - **Sweet-bay**. 2n = 38, (76).
Swamps, low woods.





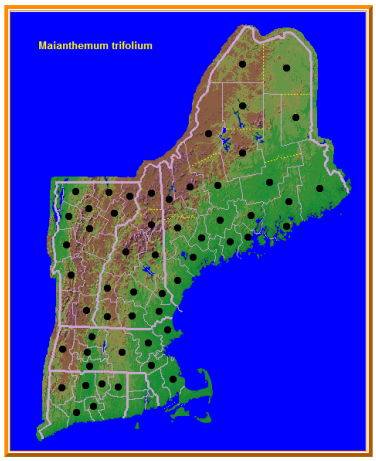


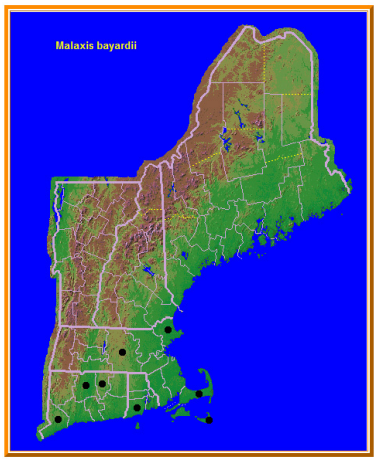
MAIANTHEMUM (Family: Asparagaceae)

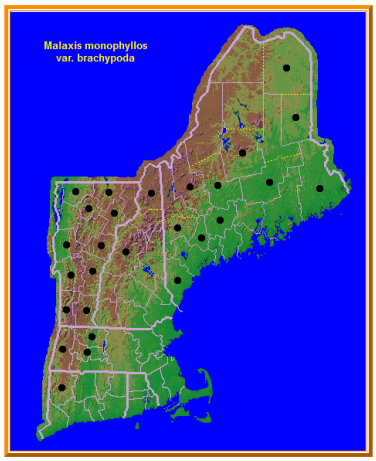
Maianthemum canadense Desfontaines - **Canada Mayflower**. 2n = 36, (54), (72).
Woods, clearings. [*M. canadense* var. *interius* Fernald]

Maianthemum racemosum (Linnaeus) Link subsp. ***racemosum*** - **False Solomon's-seal**. 2n = 36, (72), (144).
Woods, clearings. [*Smilacina racemosa* (Linnaeus) Desfontaines; *S. racemosa* var. *cylindrata* Fernald]

Maianthemum stellatum (Linnaeus) Link - . 2n = 36, (54).
Sandy soil of shores, hillsides, fields, thickets. [*Smilacina stellata* (Linnaeus) Desfontaines; *S. stellata* var. *crassa* Victorin]





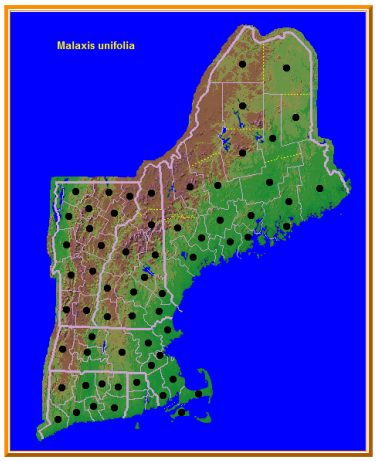


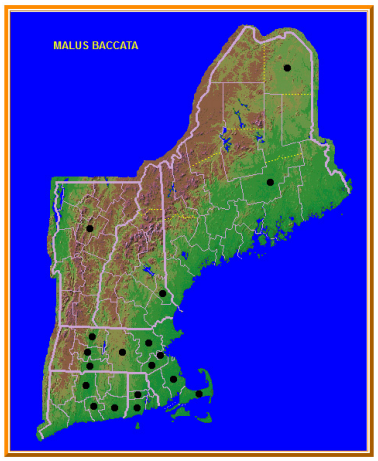
Maianthemum trifolium (Linnaeus) Sloboda - . 2n = 36.
Sphagnum bogs, sphagnous shores and woods. [*Smilacina trifolia* (Linnaeus) Desfontaines]

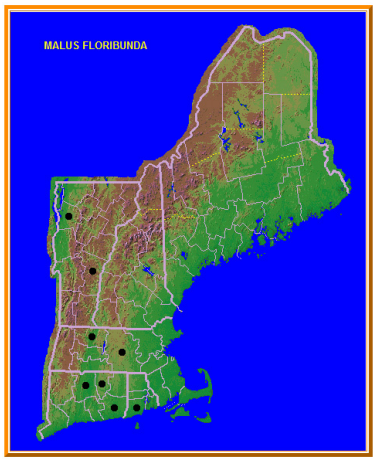
MALAXIS (Family: Orchidaceae)

Malaxis bayardii Fernald - . 2n = ?
Dry, sandy woods and clearings.

Malaxis monophyllos (Linnaeus) Swartz var. ***brachypoda*** (A. Gray) F. Morris & E.A. Eames - . 2n = 28.
Thuja swamps and thickets. [*M. brachypoda* (A. Gray) Fernald]





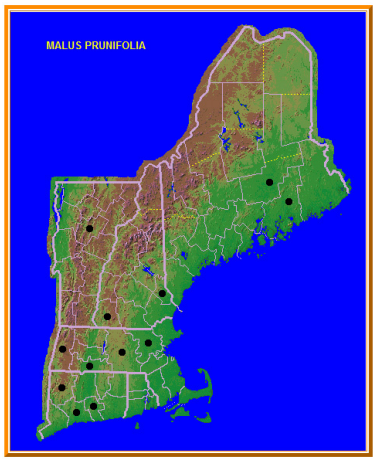


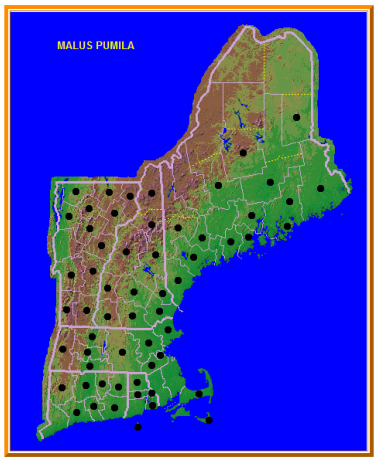
Malaxis unifolia Michaux - **Green Adder's-mouth**. 2n = ?
Woods, borders of swamps or bogs.

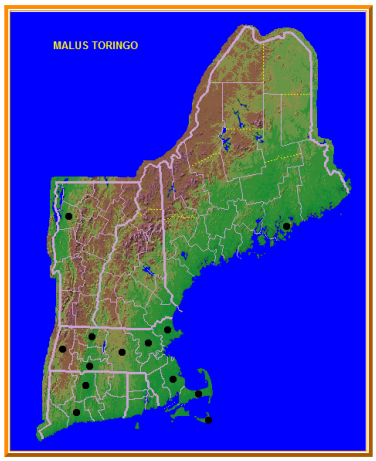
MALUS (Family: Rosaceae)

MALUS BACCATA (Linnaeus) Borkhausen - **Siberian Crabapple**. 2n = 34.
Roadsides, woodland margins, thickets, clearings, sandy, waste areas. From eastern and southern Asia. [*PYRUS BACCATA* Linnaeus]

MALUS FLORIBUNDA Siebold *ex* Van Houtte - **Japanese Flowering Crabapple**. 2n = 34.
Fields, woodland margins. Origin unknown.



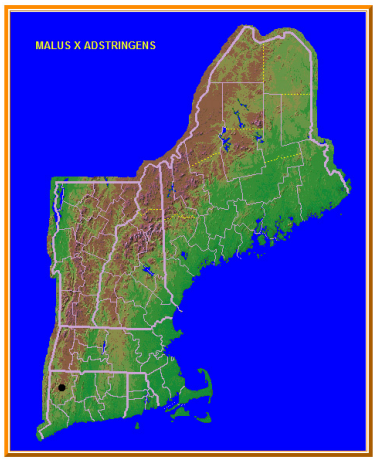


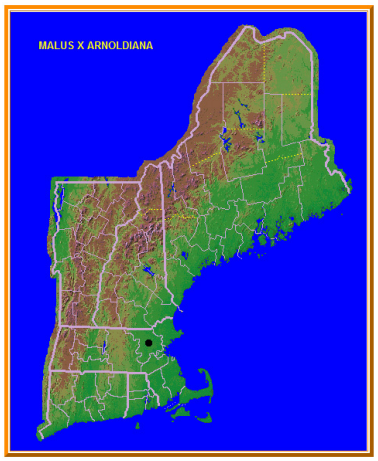


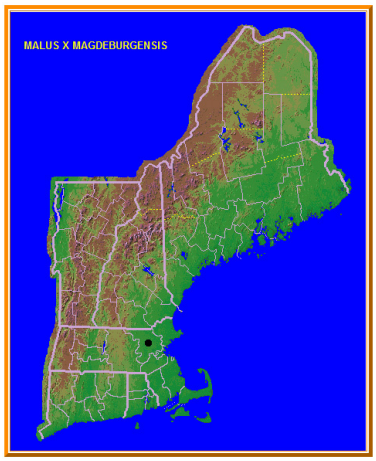
MALUS PRUNIFOLIA (Willdenow) Borkhausen - **Chinese Apple**. 2n = 34, (51).
Waste places, roadsides, thickets, wooded terraces. From China. [*PYRUS PRUNIFOLIA* Willdenow]

MALUS PUMILA Miller - **Common Apple**. 2n = 34, (51), (68).
Open woods, thickets, fields, roadsides, woodland margins, clearings. From Eurasia. [*M. DOMESTICA* – misapplied; *M. SYLVESTRIS* Miller; *PYRUS MALUS* Linnaeus]

MALUS TORINGO (Siebold) de Vriese - **Toringo Crabapple**. 2n = (34), 51, (68), (85).
Rich woods, railroads, thickets, swampy woodland margins, open, rocky knolls. From eastern Asia. [*M. SARGENTII* Rehder; *M. SIEBOLDII* (Regel) Rehder -- illegitimate name; *PYRUS SIEBOLDII* Regel -- illegitimate name]





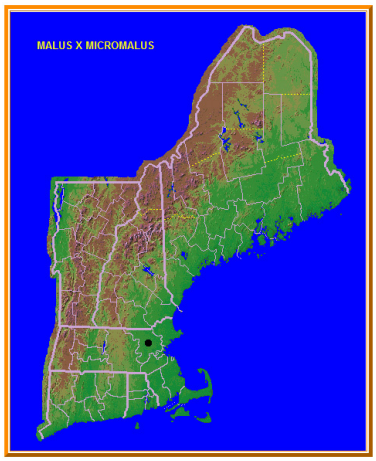


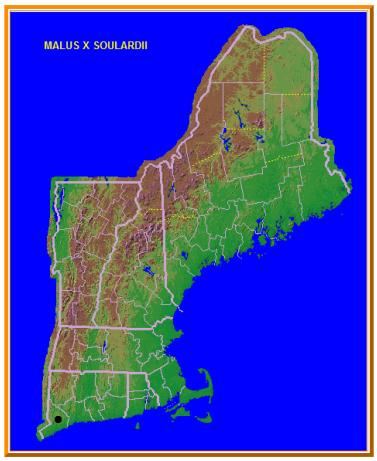
***Malus* hybrids**

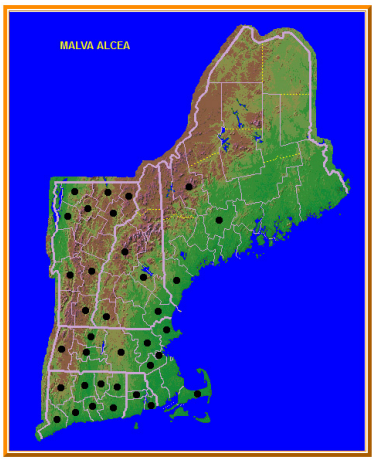
MALUS X ***ADSTRINGENS*** Zabel - .
[*M. BACCATA* (Linnaeus) Borkhausen X *M. PUMILA* Miller]

MALUS X ***ARNOLDIANA*** (Rehder) Sargent *ex* Rehder - .
[*M. BACCATA* (Linnaeus) Borkhausen X *M. FLORIBUNDA* Siebold *ex* Van Houtte; *PYRUS ARNOLDIANA* (Rehder) Bean]

MALUS X ***MAGDEBURGENSIS*** Hartwig - .
[*M. PUMILA* Miller X *M. SPECTABILIS* (Aiton) Borkhausen]





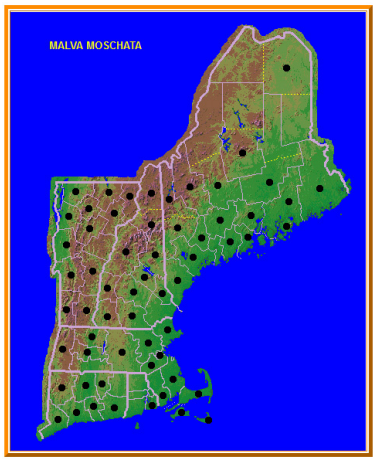


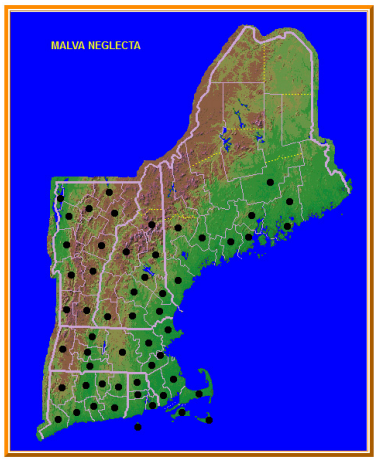
MALUS X ***MICROMALUS*** Makino (*pro species*) - .
[? *M. BACCATA* (Linnaeus) Borkhausen X *M. SPECTABILIS* (Aiton) Borkhausen]

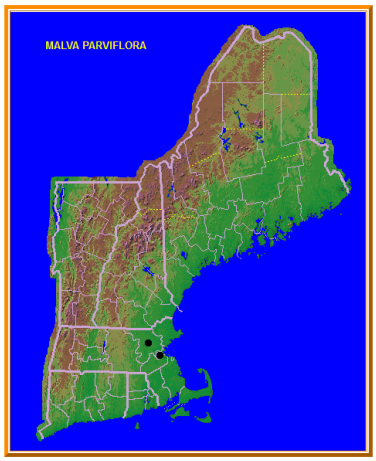
MALUS X ***SOULARDII*** (L.H. Bailey) Britton (*pro species*) - .
[? *M. IOENSIS* (Alph. Wood) Britton X *M. PUMILA* Miller; *PYRUS* X *SOULARDII* L.H. Bailey]

MALVA (Family: Malvaceae)

MALVA ALCEA Linnaeus - **Vervain Mallow**. 2n = 84.
Roadsides, waste places. From Europe, Turkey.



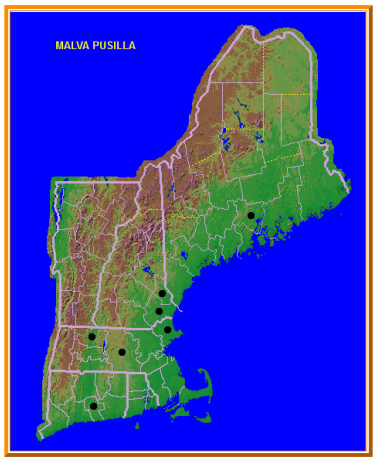


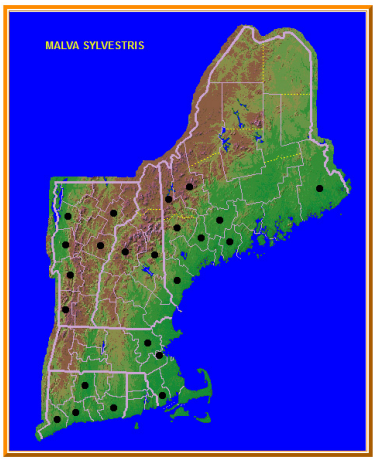


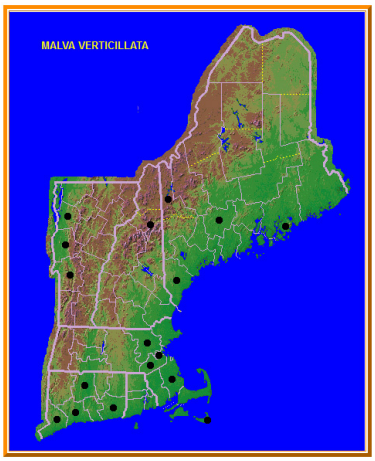
MALVA MOSCHATA Linnaeus - **Musk Mallow**. 2n = 42.
Roadsides, fields, waste places. From Europe, Turkey.

MALVA NEGLECTA Wallroth - **Common Mallow**. 2n = 42, (84).
Waste places, roadsides, fields. From Eurasia, northern Africa. [*M. ROTUNDIFOLIA* Linnaeus - rejected name]

MALVA PARVIFLORA Linnaeus - **Cheeseweed**. 2n = 42.
Waste places. From Eurasia, northern Africa.



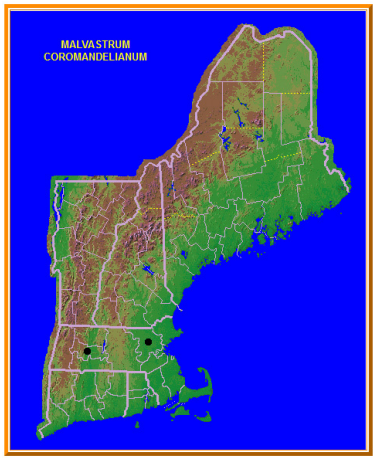


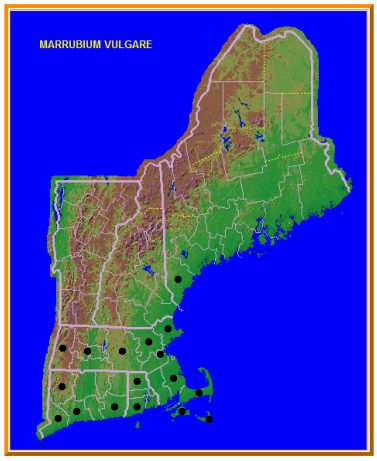


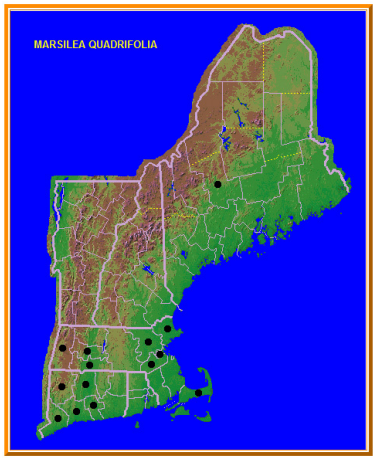
MALVA PUSILLA Smith - **Dwarf Mallow**. 2n = 42.
Fields, waste places, roadsides. From Eurasia. [*M. ROTUNDIFOLIA* Linnaeus - rejected name]

MALVA SYLVESTRIS Linnaeus - **High Mallow**. 2n = 42.
Waste places, roadsides. From Eurasia, northern Africa. [*M. SYLVESTRIS* var. *MAURITANIA* (Linnaeus) Boissier]

MALVA VERTICILLATA Linnaeus - **Chinese Mallow**. 2n = 84, 112, (120).
Waste places, roadsides. From China. [*M. VERTICILLATA* var. *CRISPA* Linnaeus; *M. CRISPA* (Linnaeus) Linnaeus]







MALVASTRUM (Family: Malvaceae)

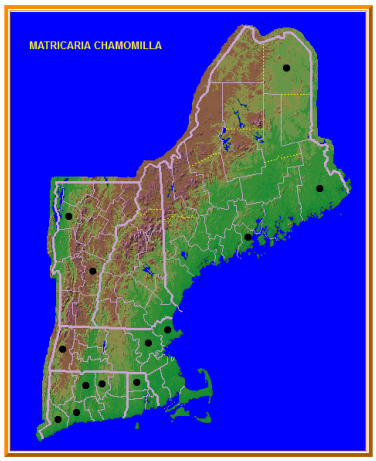
MALVASTRUM COROMANDELIANUM (Linnaeus) Garcke - . 2n = 24.
Wool waste. From Texas, Mexico, Central America, Caribbean, South America.

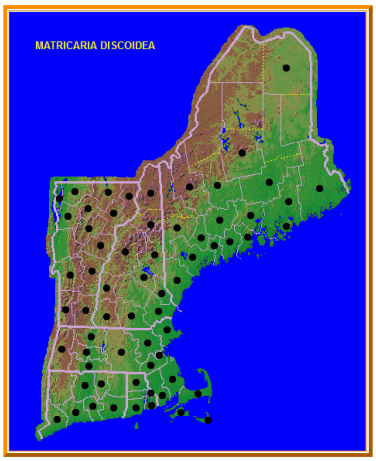
MARRUBIUM (Family: Lamiaceae)

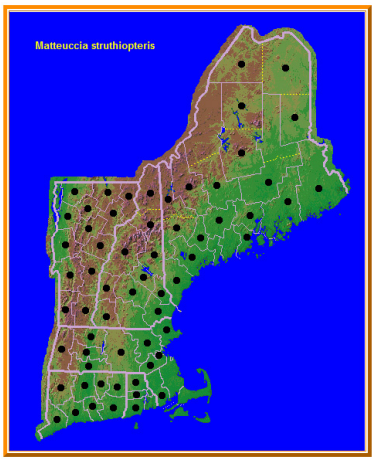
MARRUBIUM VULGARE Linnaeus - **Common Horehound**. 2n = 34, (36).
Waste places, roadsides. From Eurasia, northwestern Africa.

MARSILEA (Family: Marsileaceae)

MARSILEA QUADRIFOLIA Linnaeus - **Water Clover**. 2n = 40.
Lakes, ponds and quiet streams. From Europe.







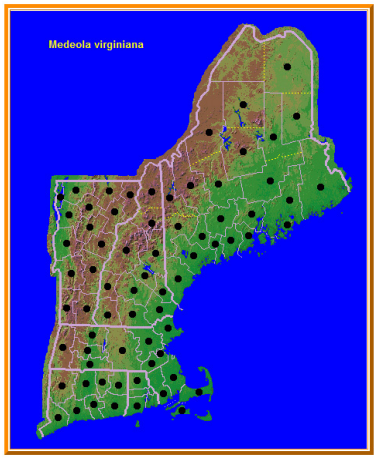
MATRICARIA (Family: Asteraceae)

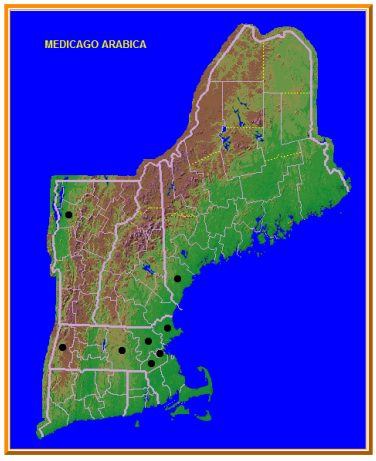
MATRICARIA CHAMOMILLA Linnaeus - **German Chamomile**. 2n = 18, (36).
Waste places, roadsides. From Eurasia, northern Africa. [*M. CHAMOMILLA* var. *CORONATA* J. Gay *ex* Boissier; *M. RECUTITA* Linnaeus]

MATRICARIA DISCOIDEA de Candolle - **Pineapple-weed**. 2n = 18.
Waste places, roadsides, fields. From farther west. [*M. MATRICARIOIDES* - misapplied]

MATTEUCCIA (Family: Onocleaceae)

Matteuccia struthiopteris (Linnaeus) Todaro - **Ostrich Fern**. 2n = 78, 80.
Alluvium, bottomland thickets, swamps and moist woods, often in circumneutral soils. [*M. struthiopteris* var. *pensylvanica* (Willdenow) C.V. Morton; *M. pensylvanica* (Willdenow) Raymond; *Pteretis pensylvanica* (Willdenow) Fernald]





MAZUS (Family: Mazaceae)

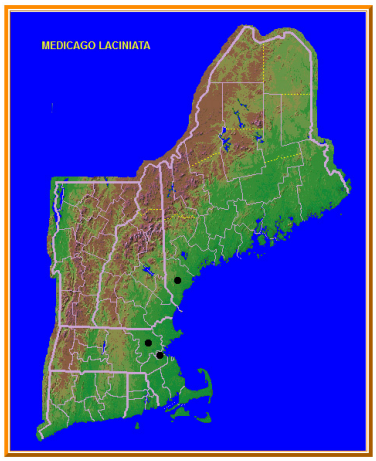
MAZUS PUMILUS (Burman (son)) Steenis - . 2n = (16), (24), 40, (52).
Waste places. From eastern Asia, India. [*M. JAPONICUS* (Thunberg) Kuntze]

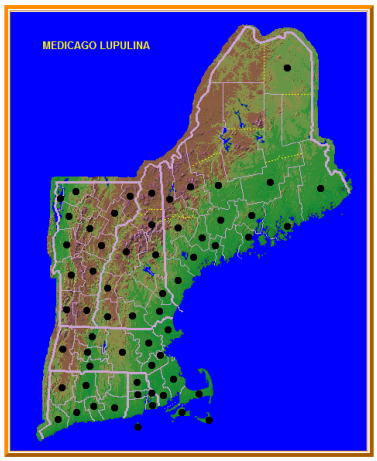
MEDEOLA (Family: Liliaceae)

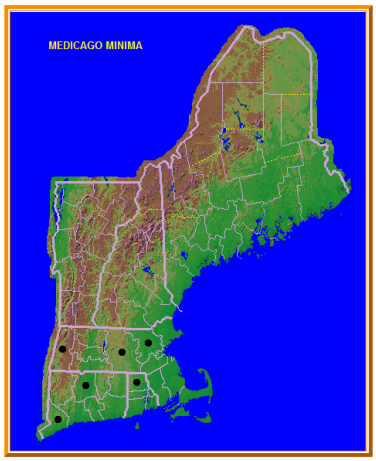
Medeola virginiana Linnaeus - **Indian Cucumber Root**. 2n = 14, (21).
Rich woods.

MEDICAGO (Family: Fabaceae)

MEDICAGO ARABICA (Linnaeus) Hudson - **Spotted Medick**. 2n = 16.
Waste places. From Eurasia, northern Africa.



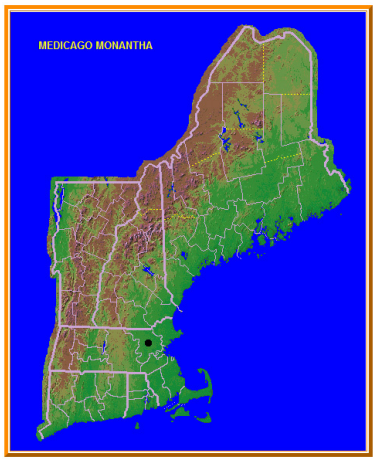


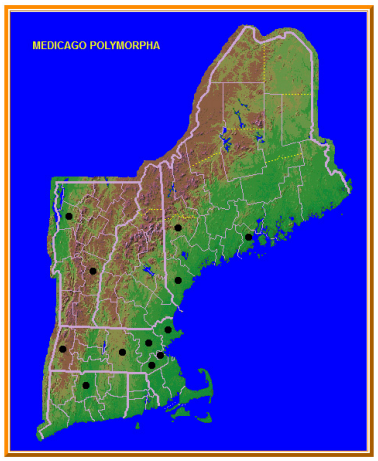


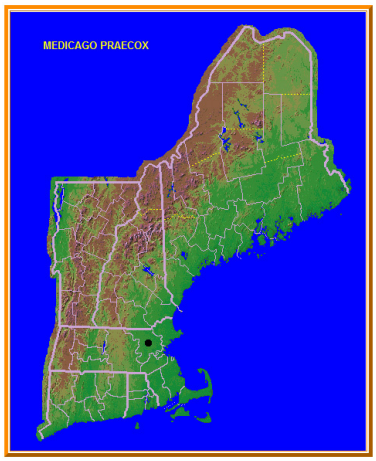
MEDICAGO LACINIATA (Linnaeus) Miller - . 2n = 16.
Wool waste, waste places. From south central and southwestern Asia, Africa. [*TRIGONELLA LACINIATA* – misapplied]

MEDICAGO LUPULINA Linnaeus - **Black Medick**. 2n = 16, (32).
Roadsides, waste places, fields. From Eurasia, northern Africa. [*M. LUPULINA* var. *GLANDULOSA* Neilreich]

MEDICAGO MINIMA (Linnaeus) Linnaeus *ex* Bartalini - **Bur Medick**. 2n = 16.
Wool waste, waste places, fields, dry, open soil. From Eurasia, northern Africa. [*M. MINIMA* var. *COMPACTA* Neyraut; *M. MINIMA* var. *LONGISETA* de Candolle]



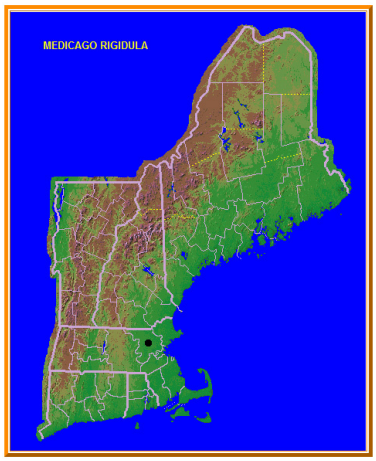


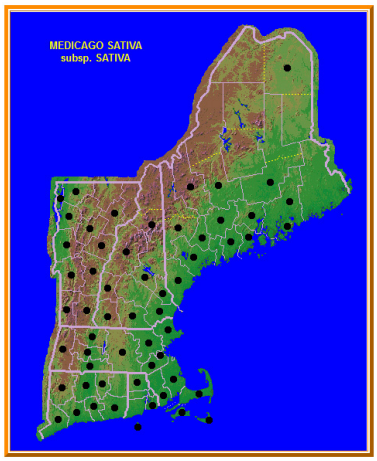


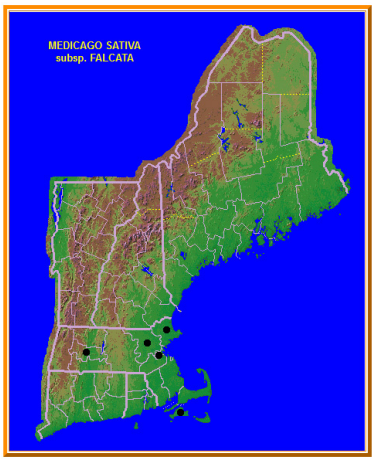
MEDICAGO MONANTHA (C.A. Meyer) Trautvetter - . 2n = (30), 44, (48).
Waste places. From south central and southwestern Asia.

MEDICAGO POLYMORPHA Linnaeus - **Toothed Medick**. 2n = 14, 16.
Wool waste, waste places. From Eurasia, northern Africa. [*M. POLYMORPHA* var. *VULGARIS* – superfluous name]

MEDICAGO PRAECOX de Candolle - **Mediterranean Medick**. 2n = 14, 16.
Wool waste. From northern and eastern Mediterranean.



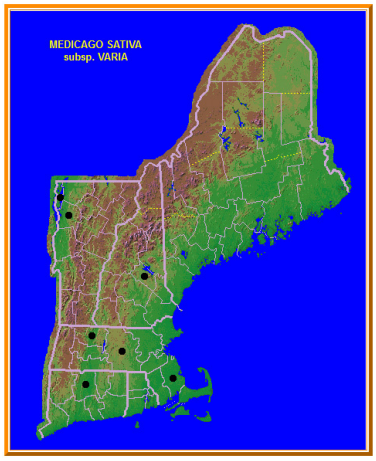


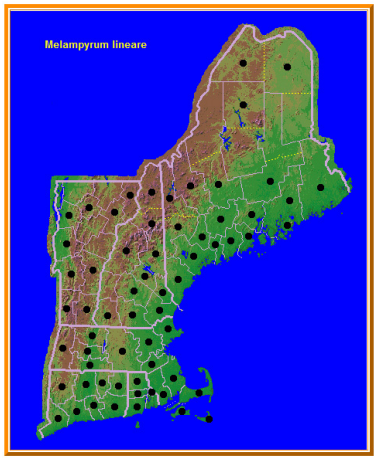


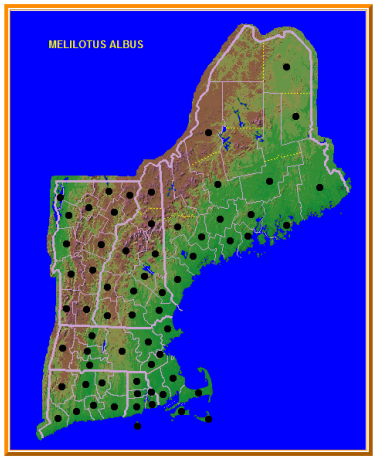
MEDICAGO RIGIDULA (Linnaeus) Allioni - **Tifton Medick**. 2n = 14, 16.
Wool waste. From Eurasia, northern Africa. [*M. AGRESTIS* Tenore]

MEDICAGO SATIVA Linnaeus subsp. ***SATIVA*** - **Alfalfa**. 2n = 32.
Roadsides, fields, waste places, meadows. From southwestern Asia.

MEDICAGO SATIVA Linnaeus subsp. ***FALCATA*** (Linnaeus) Arcangeli - **Yellow Alfalfa**. 2n = 16, 32.
Roadsides, waste places, wool waste. From Eurasia, northern Africa. [*M. FALCATA* Linnaeus]







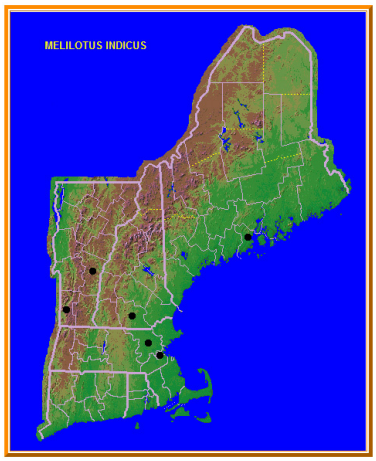
MEDICAGO SATIVA Linnaeus subsp. ***VARIA*** (Martyn) Arcangeli - **Bastard Medick**. 2n = 32.
Roadsides, fields, waste places. From Eurasia. [*M. SATIVA* subsp. *SATIVA* X *M. SATIVA* subsp. *FALCATA* (Linnaeus) Arcangeli; *M. SYLVESTRIS* Fries]

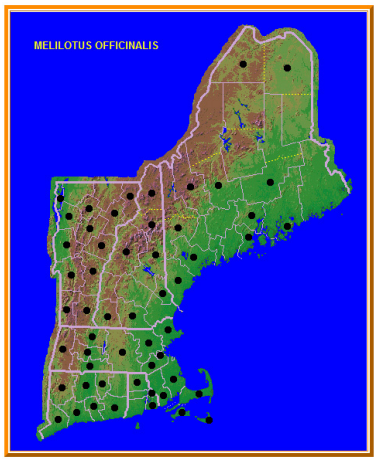
MELAMPYRUM (Family: Orobanchaceae)

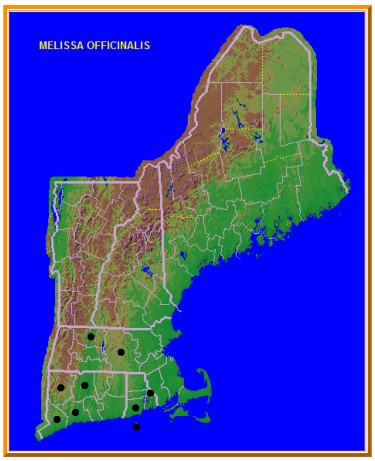
Melampyrum lineare Desrousseaux - **American Cow-wheat**. 2n = 18.
Dry woods or oak-scrub, grassy or rocky fields and clearings, roadsides, thickets of lowbush blueberries. [*M. lineare* var. *americanum* (Michaux) Beauverd; *M. lineare* var. *latifolium* W.P.C. Barton; *M. lineare* var. *pectinatum* (Pennell) Fernald]

MELILOTUS (Family: Fabaceae)

MELILOTUS ALBUS Medikus - **White Sweet-clover**. 2n = 16, (32).
Roadsides, waste places, fields, rich woods. From Eurasia.





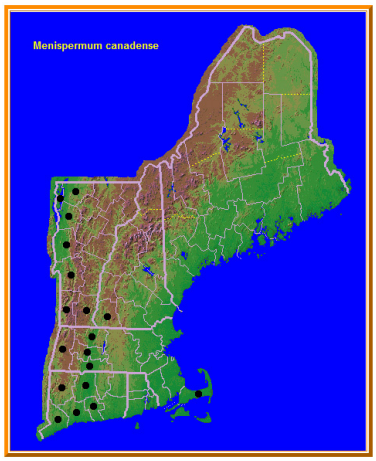


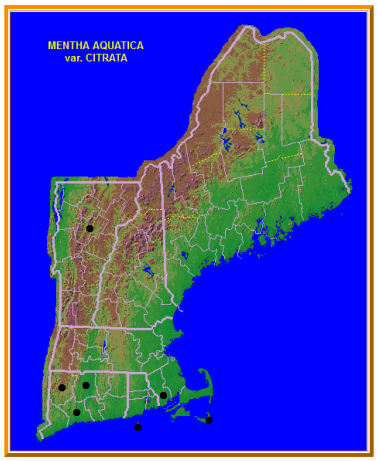
MELILOTUS INDICUS (Linnaeus) Allioni - . 2n = 16, (18).
Waste places, roadsides, fields, riverbanks. From Eurasia, northern Africa.

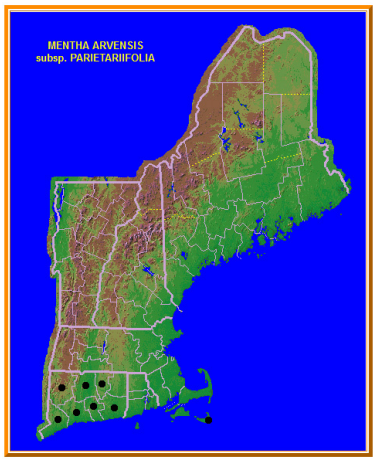
MELILOTUS OFFICINALIS (Linnaeus) Lamarck - **Yellow Sweet-clover**. 2n = 16.
Roadsides, waste places, fields, railroads. From Eurasia.

MELISSA (Family: Lamiaceae)

MELISSA OFFICINALIS Linnaeus - **Common Balm**. 2n = 32, 64.
Waste places, roadsides. From Eurasia, northwestern Africa.







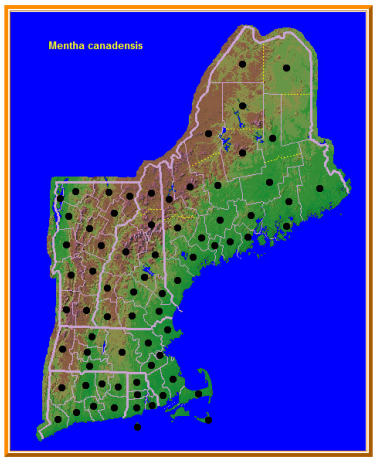
MENISPERMUM (Family: Menispermaceae)

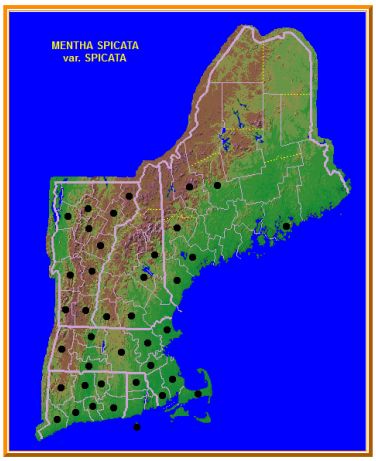
Menispermum canadense Linnaeus - **Moonseed**. 2n = 52.
Rich woods, thickets, stream banks.

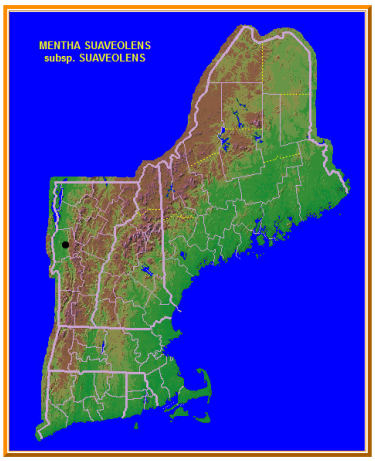
MENTHA (Family: Lamiaceae)

MENTHA AQUATICA Linnaeus var. ***CITRATA*** (Ehrhart) Fresenius - **Bergamot Mint**. 2n = 96.
Waste places, roadsides. From Europe. [*M. CITRATA* Ehrhart]

MENTHA ARVENSIS Linnaeus subsp. ***PARIETARIIFOLIA*** (Becker) Briquet - **Ginger Mint**. 2n = 54, (60), 72.
Wet places, roadsides, fields, waste places. From Europe. [*M. GENTILIS* Linnaeus]



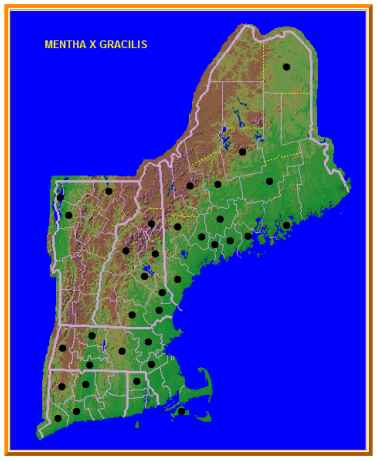


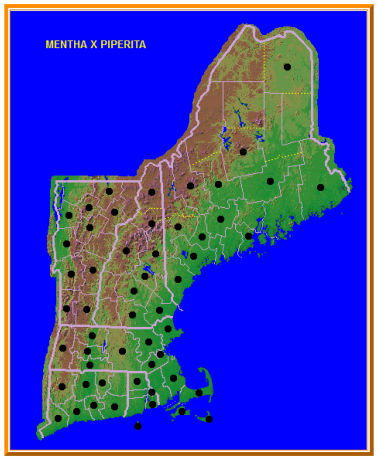


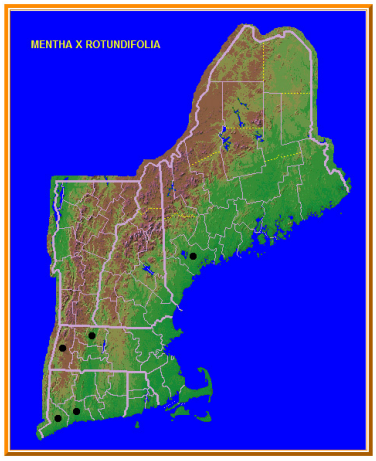
Mentha canadensis Linnaeus - **American Corn Mint**. 2n = (36), (54), 72, 96.
Moist, open soils, shores, fields, roadsides. [*M. canadensis* var. *villosa* Bentham; *M. arvensis* var. *arvensis* misapplied; *M. arvensis* Linnaeus var. *canadensis* (Linnaeus) Kuntze; *M. arvensis* var. *villosa* (Bentham) S.R. Stewart]

MENTHA SPICATA Linnaeus var. ***SPICATA*** - **Spearmint**. 2n = 36, 48, (54), (64), (72), (84).
Wet thickets, wet fields, shores, roadsides, waste places. From Europe. [*M. LONGIFOLIA* var. *LONGIFOLIA* misapplied; *M. LONGIFOLIA* var. *MOLLISSIMA* misapplied; *M. VIRIDIS* (Linnaeus) Linnaeus]

MENTHA SUAVEOLENS Ehrhart subsp. ***SUAVEOLENS*** (Becker) Briquet - **Apple Mint**. 2n = (18), 24, (42).
Swales, waste places. From Europe.





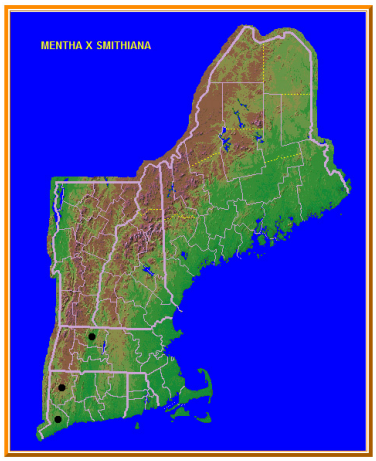


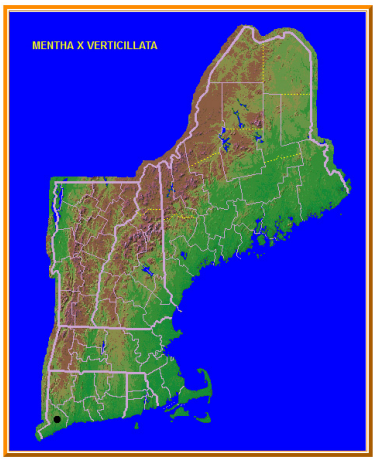
Mentha hybrids

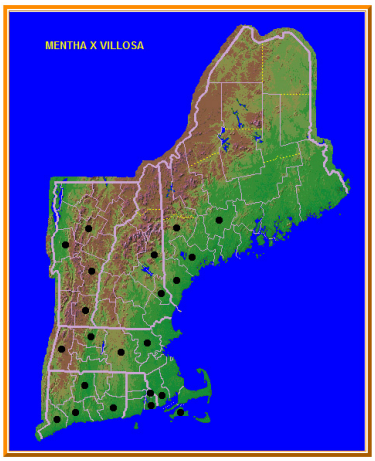
MENTHA X ***GRACILIS*** Sole (*pro species*) - **Scotch Spearmint**.
[*M. ARVENSIS* Linnaeus X *M. SPICATA* Linnaeus; *M. CARDIACA* J. Gerarde *ex* Baker]

MENTHA X ***PIPERITA*** Linnaeus (*pro species*) - **Peppermint**.
[*M. AQUATICA* Linnaeus X *M. SPICATA* Linnaeus; *M. CRISPA* Linnaeus]

MENTHA X ***ROTUNDIFOLIA*** (Linnaeus) Hudson (*pro species*) - .
[*M. LONGIFOLIA* (Linnaeus) Linnaeus X *M. SUAVEOLENS* Ehrhart]



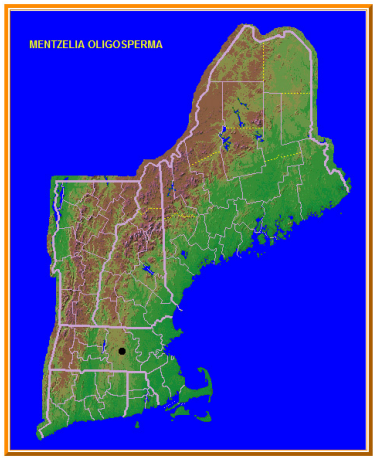


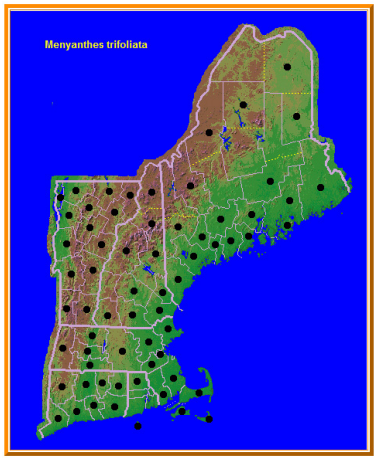


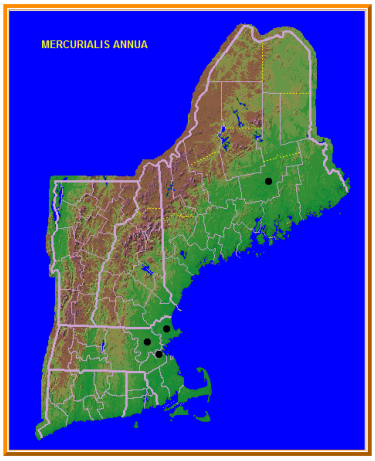
MENTHA X ***SMITHIANA*** R.A. Graham - .
[*M. AQUATICA* Linnaeus X *M. ARVENSIS* Linnaeus X *M. SPICATA* Linnaeus]

MENTHA X ***VERTICILLATA*** Linnaeus (*pro species*) - .
[*M. AQUATICA* Linnaeus X *M. ARVENSIS* Linnaeus]

MENTHA X ***VILLOSA*** Hudson (*pro species*) - .
[*M. SPICATA* Linnaeus X *M. SUAVEOLENS* Ehrhart; *M. ALOPECUROIDES* Hull]







MENTZELIA (Family: Loasaceae)

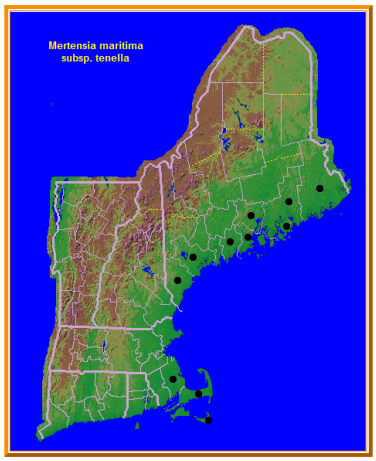
MENTZELIA OLIGOSPERMA Nuttall *ex* Sims - . 2n = 22.
Wool waste. From farther west.

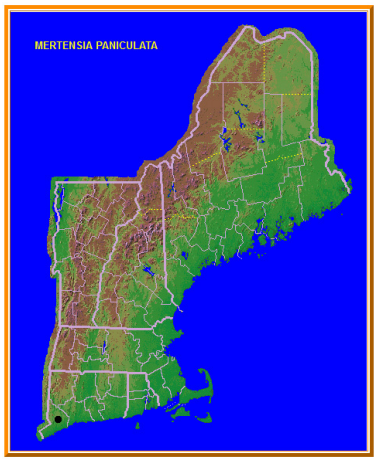
MENYANTHES (Family: Menyanthaceae)

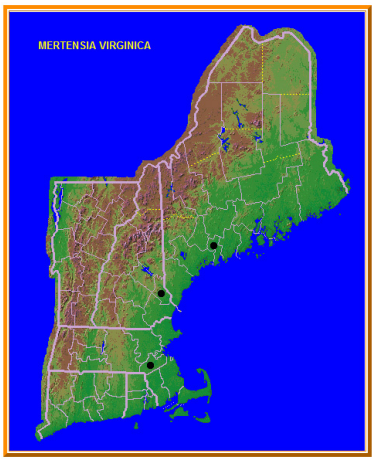
Menyanthes trifoliata Linnaeus - **Buckbean**. 2n = 54, (108).
Bogs, pond margins, shallow water. [*M. trifoliata* var. *minor* Fernald]

MERCURIALIS (Family: Euphorbiaceae)

MERCURIALIS ANNUA Linnaeus - **Herb Mercury**. 2n = 16, (32), (48), (56), (64), (80), (96), (112).
Waste places. From Eurasia, northern Africa.





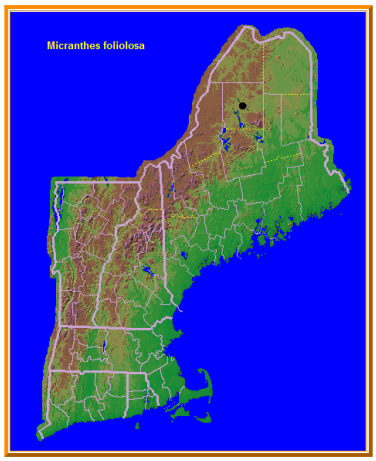


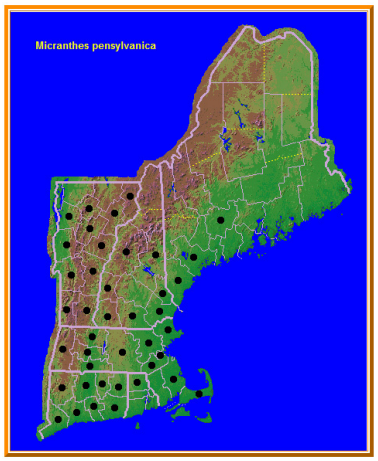
MERTENSIA (Family: Boraginaceae)

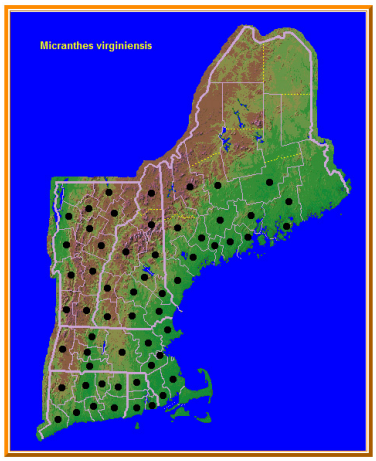
Mertensia maritima (Linnaeus) Gray subsp. ***tenella*** (Th. Fries) Elven & Skarpaas - . 2n = 24.
Sea beaches, often gravelly.

MERTENSIA PANICULATA (Aiton) G. Don *ex* Link - . 2n = 24, 48, 72.
Riverbanks. From farther west.

MERTENSIA VIRGINICA (Linnaeus) Persoon *ex* Link - **Virginia Cowslip**. 2n = 24.
Waste places. From farther west and south.





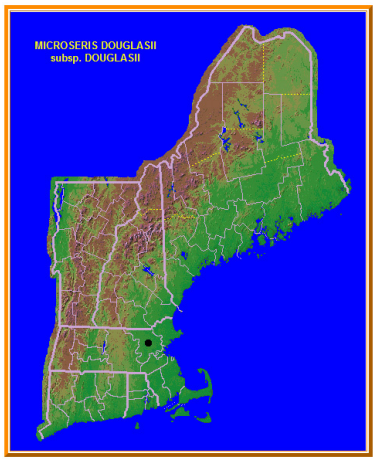


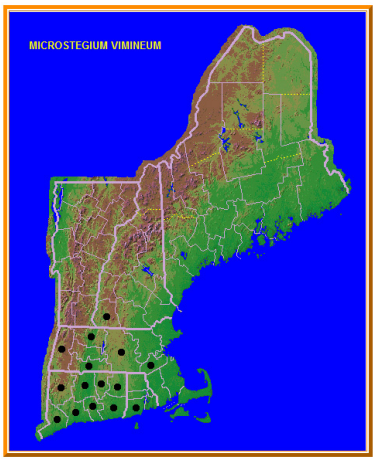
MICRANTHES (Family: Saxifragaceae)

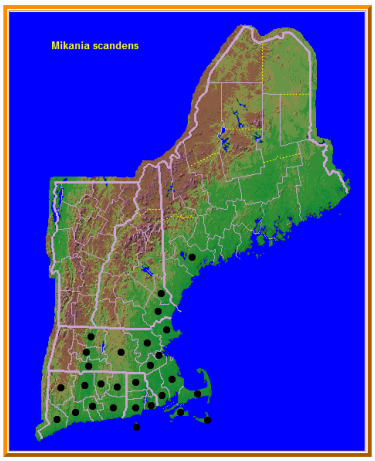
Micranthes foliolosa (R. Brown) Gornall - **Leafy Saxifrage**. 2n = (40), 56.
Mossy, alpine rocks. [*Saxifraga stellaris* Linnaeus var. *comosa* Retzius]

Micranthes pensylvanica (Linnaeus) Haworth - **Swamp Saxifrage**. 2n = 56, 84, 112.
Swamps, wet meadows, boggy thickets. [*Saxifraga pensylvanica* Linnaeus var. *pensylvanica*; *S. pensylvanica* var. *purpuripetala* (A.M. Johnson) Bush]

Micranthes virginiensis (Michaux) Small - **Early Saxifrage**. 2n = 20, 28, (38).
Open rocky woods, rock outcrops, ledges, rocky hillsides. [*Saxifraga virginiensis* Michaux]







MICROSERIS (Family: Asteraceae)

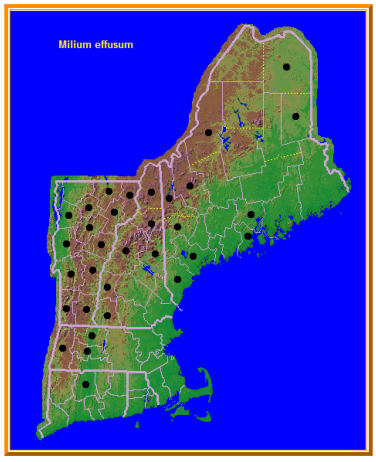
MICROSERIS DOUGLASII (de Candolle) Schultz-Bipontinus subsp. ***DOUGLASII*** - . 2n = 18.
Wool waste. From farther west.

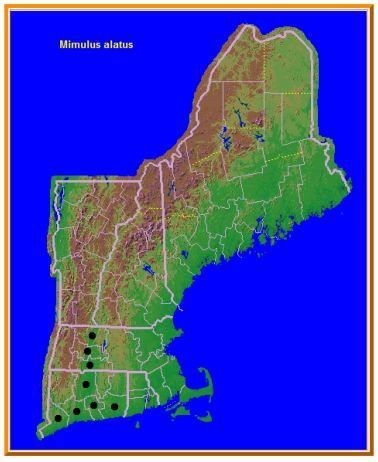
MICROSTEGIUM (Family: Poaceae)

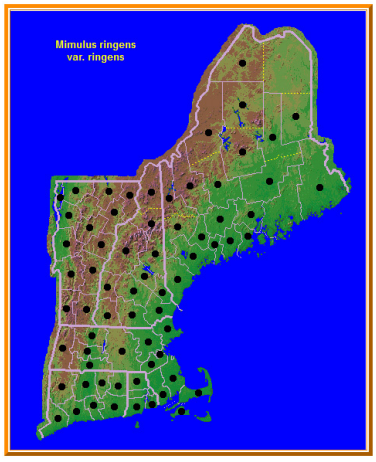
MICROSTEGIUM VIMINEUM (Trinius) A. Camus - . 2n = 40.
Roadsides. From tropical Asia.

MIKANIA (Family: Asteraceae)

Mikania scandens (Linnaeus) Willdenow - **Climbing Hempweed**. 2n = (30), (36), 38.
Wet thickets, swamps, stream banks, pond or lake margins, marshes.







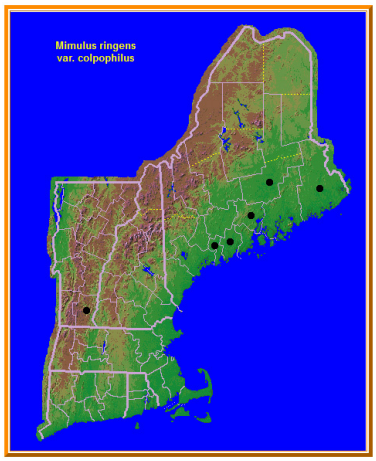
MILIUM (Family: Poaceae)

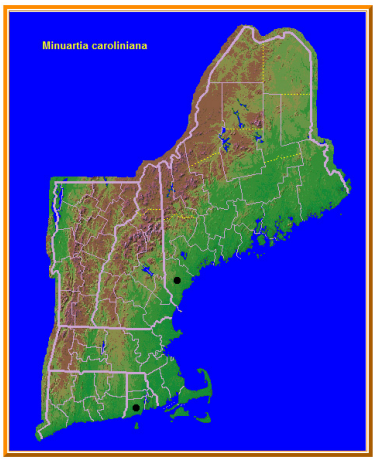
Milium effusum Linnaeus - . 2n = (14), (26), 28, (42).
Rich woods.

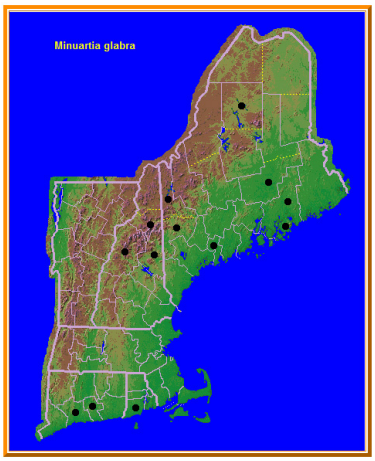
MIMULUS (Family: Phrymaceae)

Mimulus alatus Aiton - . 2n = 22.
Muddy or marshy shores, meadows, alluvial soil.

Mimulus ringens Linnaeus var. ***ringens*** - . 2n = 16, 22, 24.
Muddy shores, swamp margins, meadows, marshy shores, wet woods. *[M. ringens* var. *minthodes* (Greene) A.L. Grant]





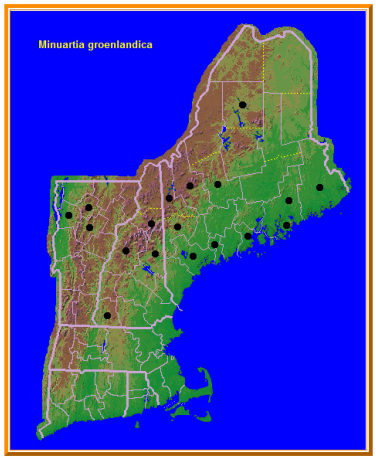


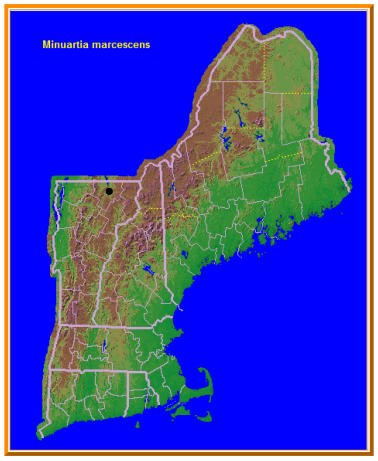
Mimulus ringens Linnaeus var. ***colpophilus*** Fernald - . 2n = ?
Estuaries, marshy or sandy river shores, river meadows.

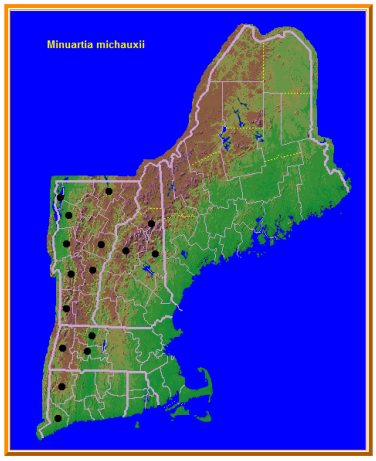
MINUARTIA (Family: Caryophyllaceae)

Minuartia caroliniana (Walter) Mattfeld - **Pine-barren Sandwort**. 2n = ?
Dry, open, sandy soil. [*Arenaria caroliniana* Walter]

Minuartia glabra (Michaux) Mattfeld - **Appalachian Stitchwort**. 2n = 20.
Siliceous, wooded outcrops. [*Arenaria groenlandica* (Retzius) Sprengel var. *glabra* (Michaux) Fernald]



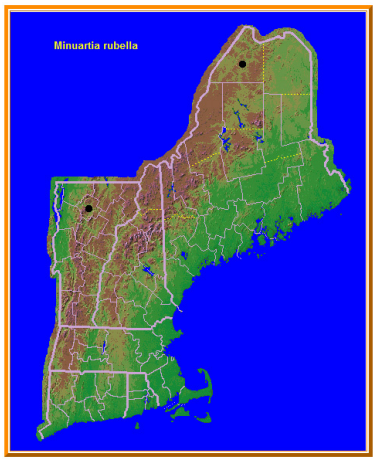


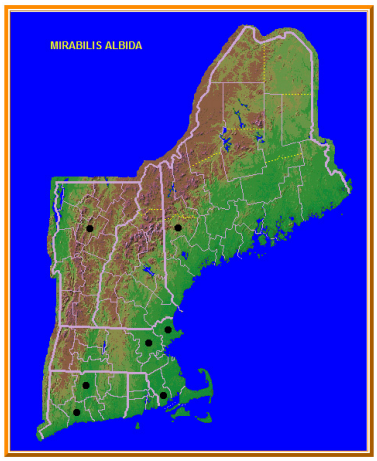


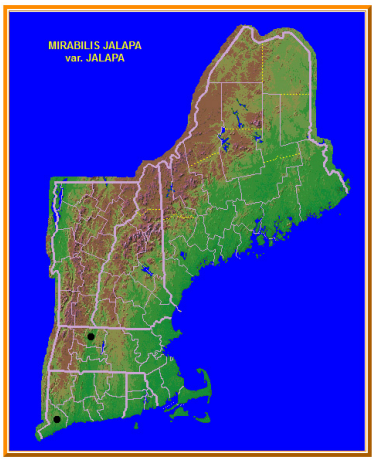
Minuartia groenlandica (Retzius) Ostenfeld - **Mountain Sandwort**. 2n = 20.
Granitic ledges. [*Arenaria groenlandica* (Retzius) Sprengel var. *groenlandica*]

Minuartia marcescens (Fernald) House - **Serpentine Sandwort**. 2n = ?
Magnesium ledges. [*Arenaria marcescens* Fernald]

Minuartia michauxii (Fenzel) Farwell - **Rock Sandwort**. 2n = 30, 44.
Dry, calcareous ledges. [*Arenaria stricta* Michaux]





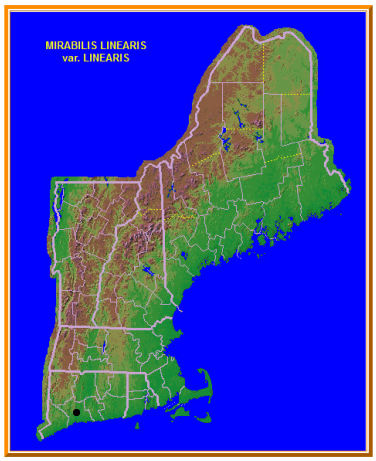


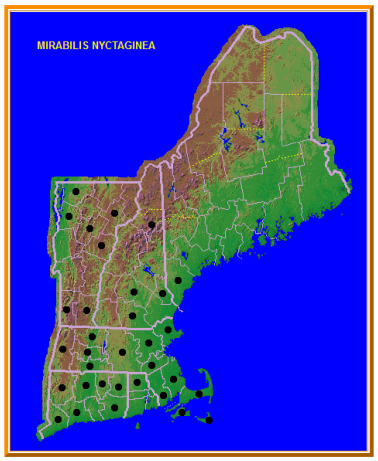
Minuartia rubella (Wahlenberg) Hiern - **Boreal Sandwort**. 2n = 24, (26).
Calcareous rocks. [*Arenaria rubella* (Wahlenberg) Smith]

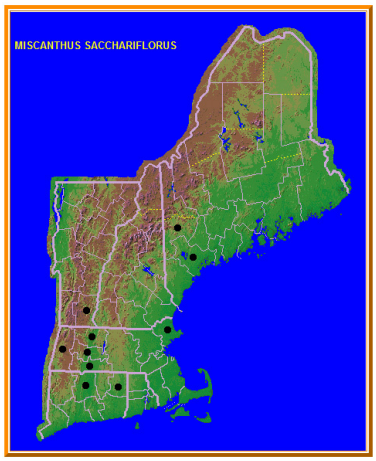
MIRABILIS (Family: Nyctaginaceae)

MIRABILIS ALBIDA (Walter) Heimerl - . 2n = 58.
Dry, sandy waste places, roadsides. From farther west. [*M. HIRSUTA* (Pursh) MacMillan]

MIRABILIS JALAPA Linnaeus var. ***JALAPA*** - **Marvel-of-Peru**. 2n = 54, 58, (116).
Waste places, roadsides. From Mexico.





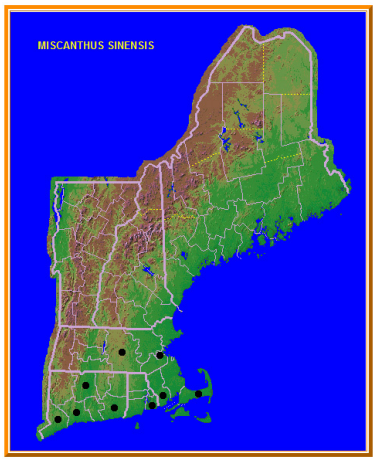


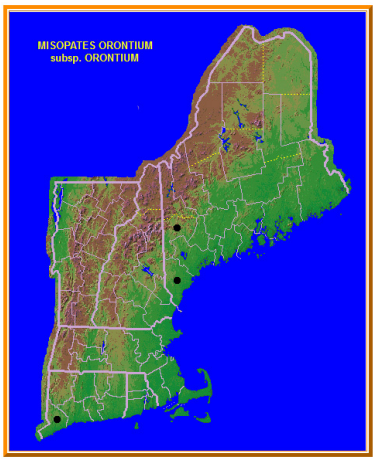
MIRABILIS LINEARIS (Pursh) Heimerl var. ***LINEARIS*** - . 2n = 40, 52.
Dry, open soil, disturbed areas. From farther west.

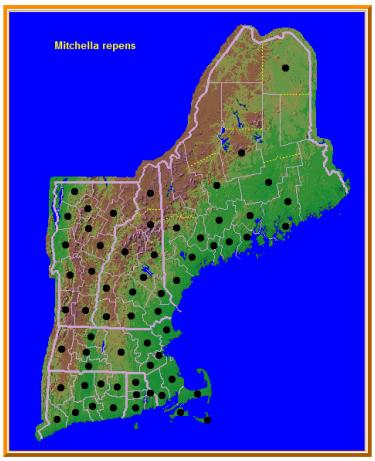
MIRABILIS NYCTAGINEA (Michaux) MacMillan - **Wild Four-o'-clock**. 2n = (52), 58.
Waste places, railroads, cracks in urban pavements. From farther west.

MISCANTHUS (Family: Poaceae)

MISCANTHUS SACCHARIFLORUS (Maximowicz) Bentham & Hooker (son) *ex* Franchet - **Amur Silvergrass**. 2n= 38, 40, 57, 64, 76, 95.
Roadsides, waste places. From eastern Asia.







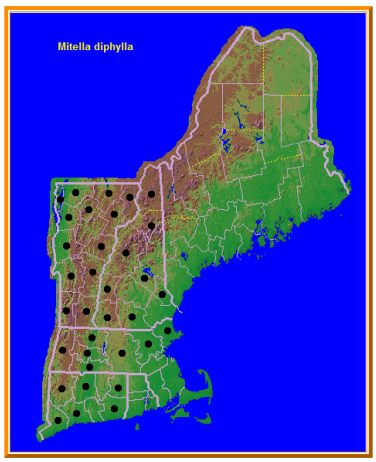
MISCANTHUS SINENSIS Andersson - **Eulalia**. 2n = 28, 38, 40, 46.
Roadsides, old fields. From China.

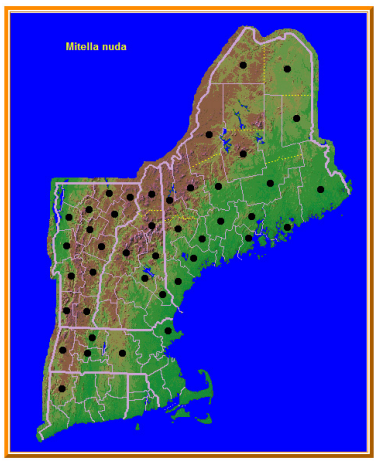
MISOPATES (Family: Plantaginaceae)

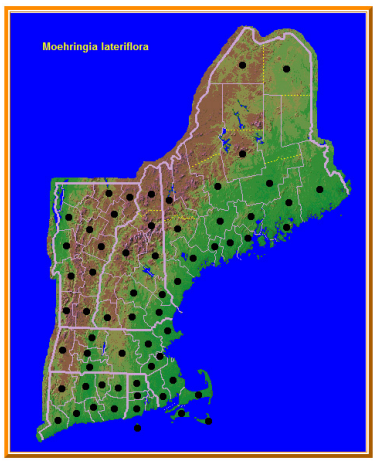
MISOPATES ORONTIUM (Linnaeus) Rafinesque subsp. ***ORONTIUM*** - **Weasel's-snout**. 2n = (14), 16, (32).
Waste places, moist ditches. From Eurasia, northern and eastern Africa. [*ANTIRRHINUM ORONTIUM* Linnaeus]

MITCHELLA (Family: Rubiaceae)

Mitchella repens Linnaeus - **Partridge-berry**. 2n = 22.
Woods.







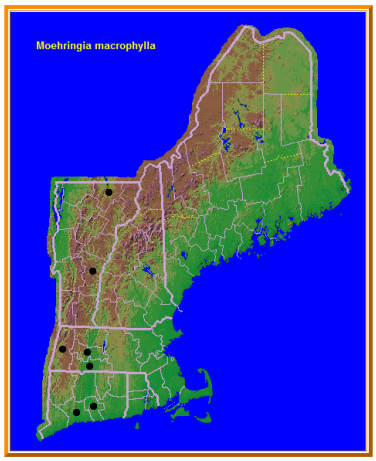
MITELLA (Family: Saxifragaceae)

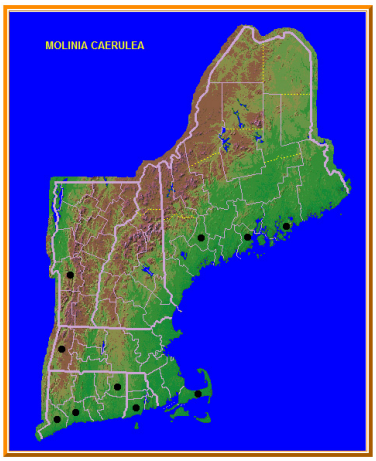
Mitella diphylla Linnaeus - **Fairy-cup**. 2n = 14.
Rich woods.

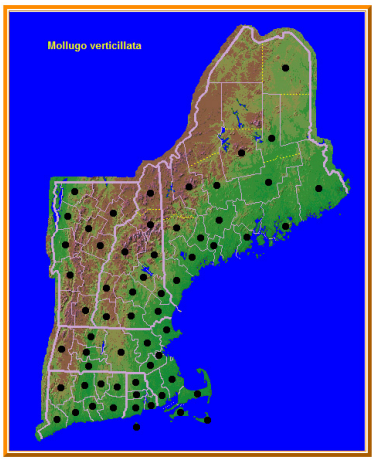
Mitella nuda Linnaeus - **Naked Miterwort**. 2n = 14, 28.
Wet woods, swamps, often in moss. [*M. prostrata* Michaux]

MOEHRINGIA (Family: Caryophyllaceae)

Moehringia lateriflora (Linnaeus) Fenzl - **Grove Sandwort**. 2n = (24), 48, (50).
Woods, meadows, gravelly shores. [*Arenaria lateriflora* Linnaeus]







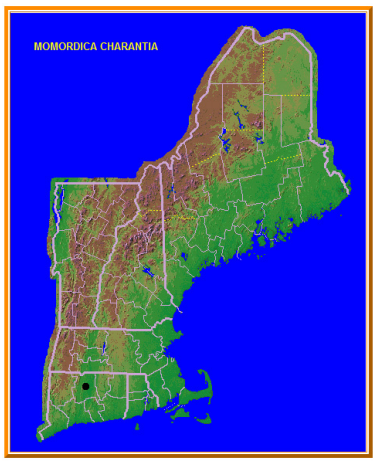
Moehringia macrophylla (Hooker) Fenzl - . 2n = 24, 48.
Shaded ledges in humus, often with *Hypnum*, chiefly in magnesium or basic areas. [*Arenaria macrophylla* Hooker]

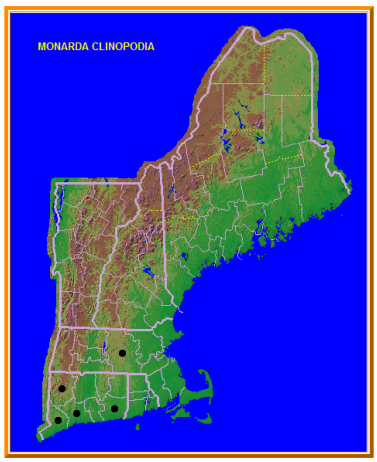
MOLINIA (Family: Poaceae)

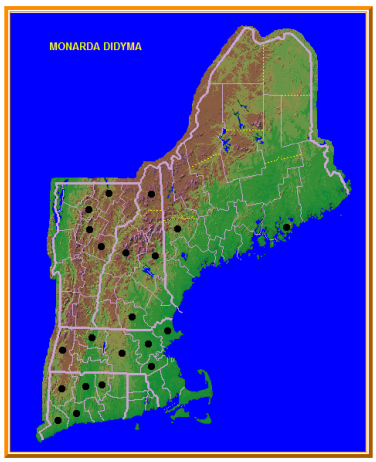
MOLINIA CAERULEA (Linnaeus) Moench - **Moorgrass**. 2n = (18), 36, (90).
Dry fields. From Europe.

MOLLUGO (Family: Molluginaceae)

Mollugo verticillata Linnaeus - **Carpetweed**. 2n = 64.
Waste places, roadsides, fields, sandy riverbanks.







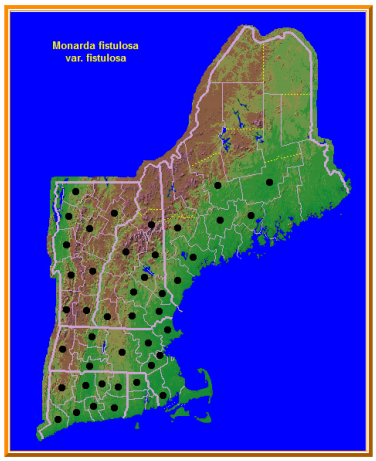
MOMORDICA (Family: Cucurbitaceae)

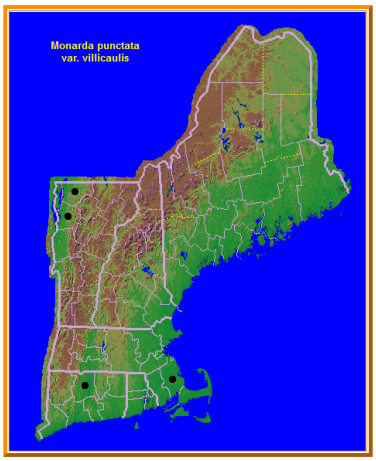
MOMORDICA CHARANTIA Linnaeus - **Bitter Melon**. 2n = 22.
Waste places. From tropical Africa, tropical Asia, northeastern Australia, south central and southwestern Pacific.

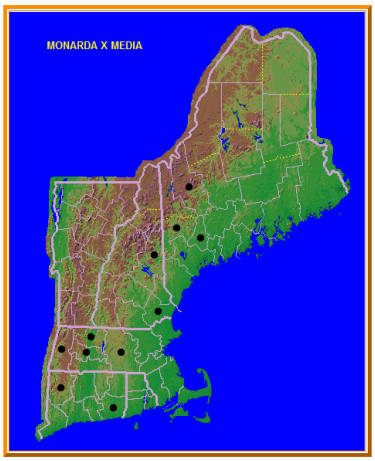
MONARDA (Family: Lamiaceae)

MONARDA CLINOPODIA Linnaeus - **Basil Bee-balm**. 2n = 36.
Roadsides, low woodlands. From farther south and west.

MONARDA DIDYMA Linnaeus - **Oswego-tea**. 2n = (32), 36.
Roadsides, waste places, woodland margins, thickets, fields, clearings. From farther south and west.





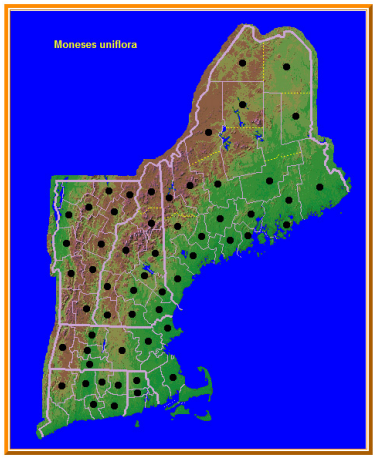


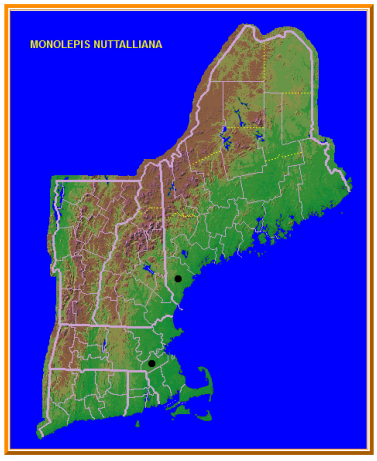
Monarda fistulosa Linnaeus var. ***fistulosa*** - **Wild Bergamot**. 2n = (18), (32), 36.
Roadsides, open woodlands, clearings, thickets, fencerows, meadows, fields, railroads, streambanks, waste places. [*M. fistulosa* var. *mollis* (Linnaeus) Bentham]

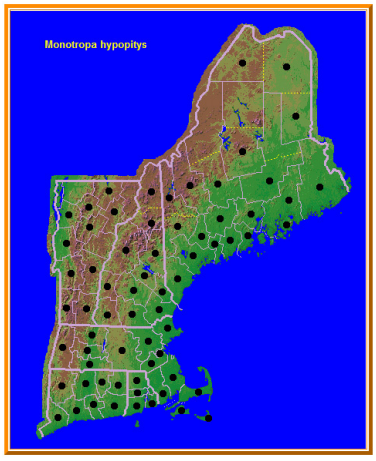
Monarda punctata Linnaeus var. ***villicaulis*** (Pennell) E.J. Palmer & Steyermark - . 2n = 22, 24.
Sandy fields and roadsides, dry, sandy soil.

***Monarda* hybrid**

MONARDA X ***MEDIA*** Willdenow - **Purple Bergamot**.
Roadsides, thickets, fencerows, woodland margins. [*M. FISTULOSA* var. *RUBRA* A. Gray; consisting of varying hybridization between *M. fistulosa* and *M. CLINOPODIA* or *M. DIDYMA*]







MONESES (Family: Ericaceae)

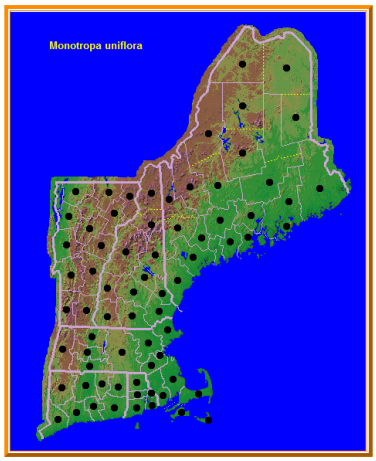
Moneses uniflora (Linnaeus) A. Gray - **Wood-nymph**. 2n = 22, 24, 26, 32.
Dry, mossy, rich or rocky woods.

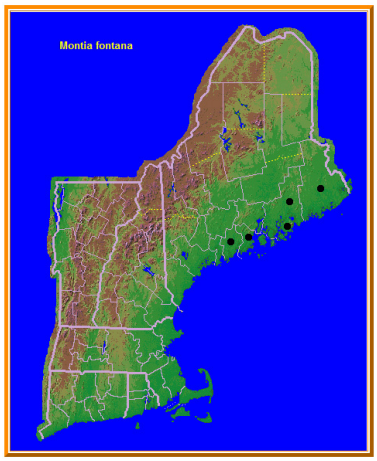
MONOLEPIS (Family: Amaranthaceae)

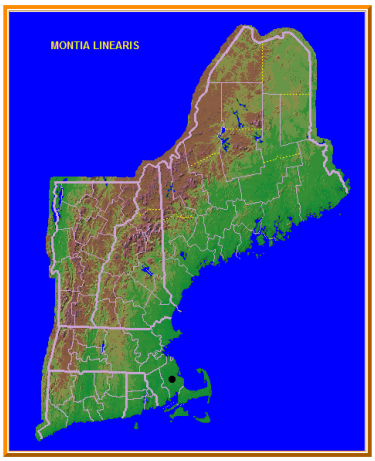
MONOLEPIS NUTTALLIANA (Schultes) Greene - **Povertyweed**. 2n = 18.
Waste places. From farther west. [*M. CHENOPODIOIDES* Moquin-Tandon]

MONOTROPA (Family: Ericaceae)

Monotropa hypopitys Linnaeus - **Pinesap**. 2n = (16), 48.
Leaf mold in woods. [*Hypopitys lanuginosa* (Michaux) Rafinesque; *H. monotropa* Crantz]





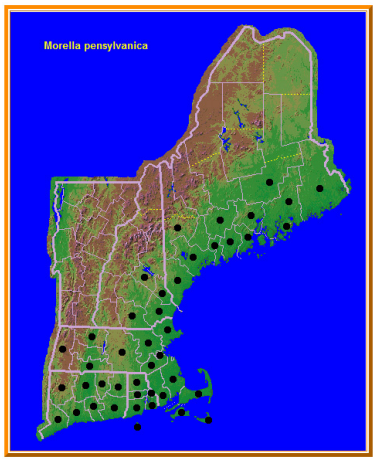


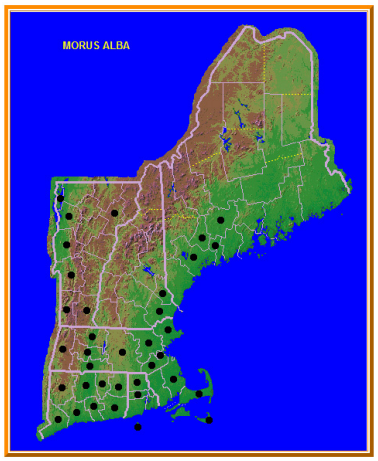
Monotropa uniflora Linnaeus - **Indian-pipe**. 2n = 32, 48.
Leaf mold in woods.

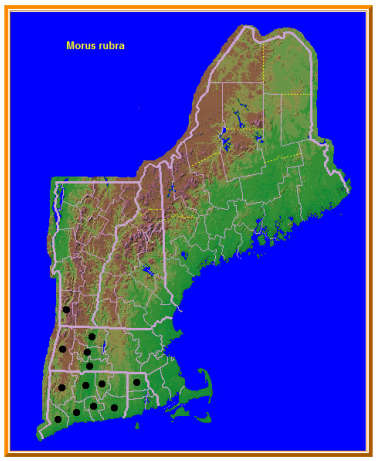
MONTIA (Family: Montlaceae)

Montia fontana Linnaeus - **Water Blinks**. 2n = (18), 20, (40).
Moist woods, springy slopes. [*M. lamprosperma* Chamisso]

MONTIA LINEARIS (Douglas) Greene - . 2n = 24, 28.
Fields. From western North America.







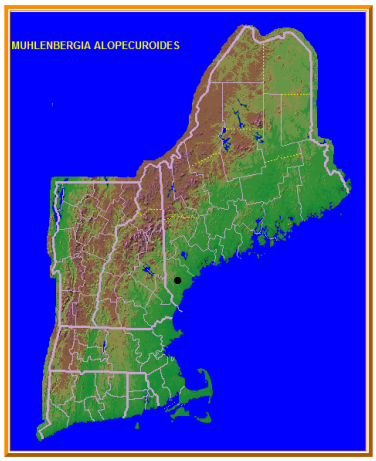
MORELLA (Family: Myricaceae)

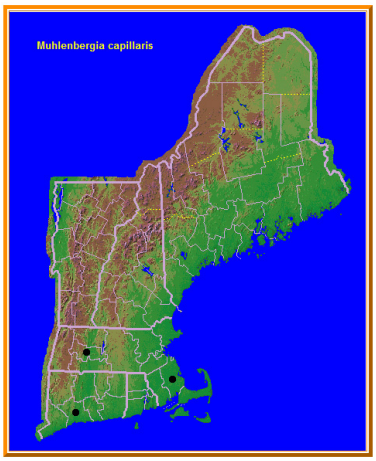
Morella pensylvanica (Mirbel) Kartesz - **Northern Bayberry**. 2n = 16.
Woodland borders, thickets, ledges, on sterile soil, primarily near the coast. [*Myrica pensylvanica* Mirbel]

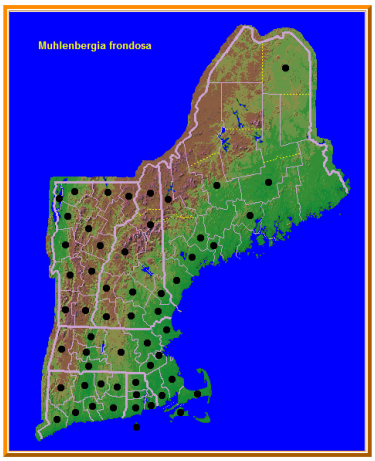
MORUS (Family: Moraceae)

MORUS ALBA Linnaeus - **White Mulberry**. 2n = 28, (42).
Waste areas, roadsides. From eastern Asia.

Morus rubra Linnaeus - **Red Mulberry**. 2n = 28.
Rich woods, in calcareous soil, riverbanks.





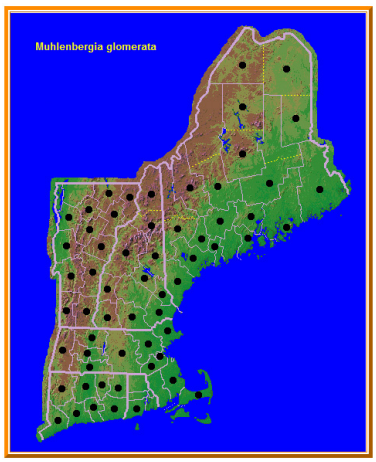


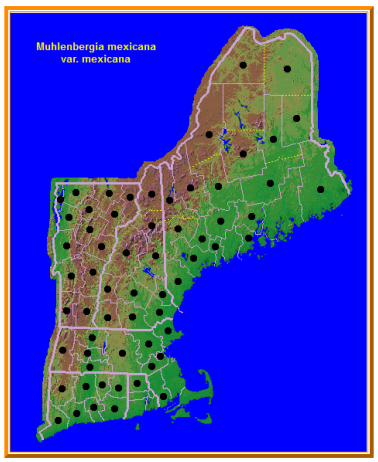
MUHLENBERGIA (Family: Poaceae)

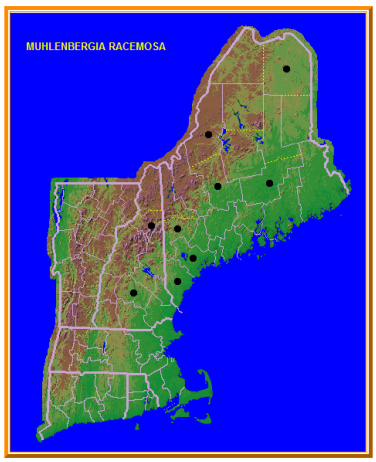
MUHLENBERGIA ALOPECUROIDES (Grisebach) P.M. Peterson & Columbus - **Bristly Wolftail**. 2n = 40.
Wool waste. From farther west. [*LYCURUS SETOSUS* (Nuttall) C. Reeder; Vouchers originally misidentified as *LYCURUS PHLEOIDES* Kunth.]

Muhlenbergia capillaris (Lamarck) Trinius - **Hairgrass**. 2n = ?
Dry, exposed ledges.

Muhlenbergia frondosa (Poiret) Fernald - . 2n = 40.
Damp, open woods, shores.



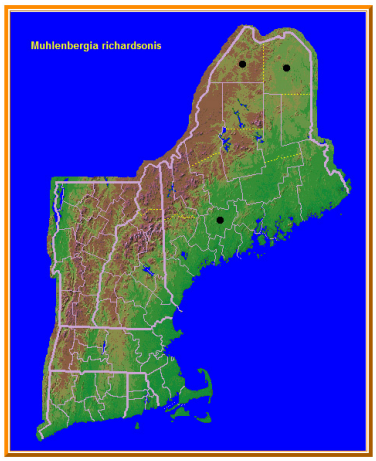


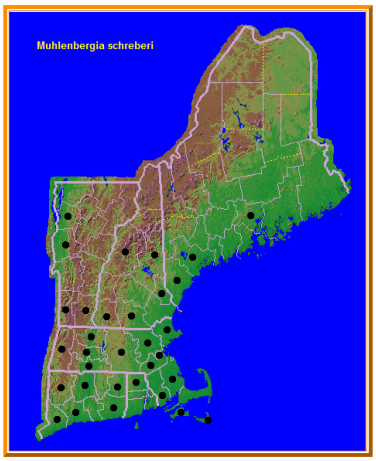


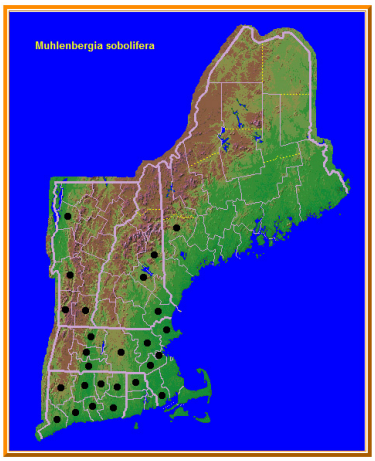
Muhlenbergia glomerata (Willdenow) Trinius - **Marsh Muhly**. 2n = 20, 40.
Swamps, meadows, bogs. [*M. glomerata* var. *cinnoides* (Link) F.J. Hermann]

Muhlenbergia mexicana (Linnaeus) Trinius var. ***mexicana*** - . 2n = 40.
Shores, wet woods, roadsides.

MUHLENBERGIA RACEMOSA (Michaux) Britton, Sterns & Poggenburg - . 2n = 40.
Dry soil, railroads. From farther west.



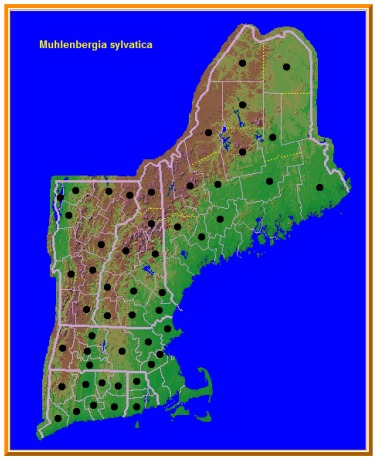


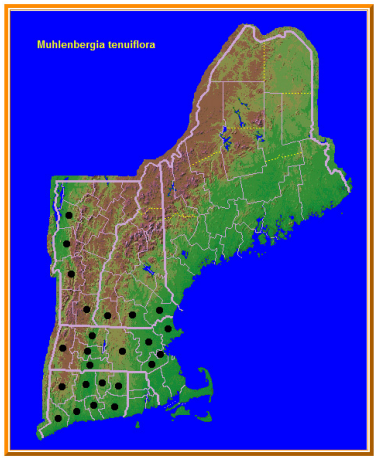


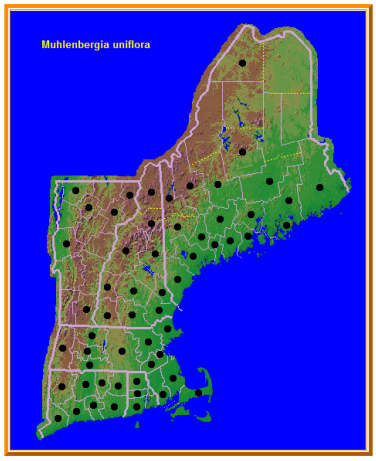
Muhlenbergia richardsonis (Trinius) Rydberg - **Mat Muhly**. 2n = 40.
Gravelly river shores.

Muhlenbergia schreberi J.F. Gmelin - **Nimble Will**. 2n = 20, 40.
Disturbed, damp or wet places, lawns, gardens, roadsides.

Muhlenbergia sobolifera (Muhlenberg *ex* Willdenow) Trinius - . 2n = 40.
Dry woods (often rocky and calcareous).



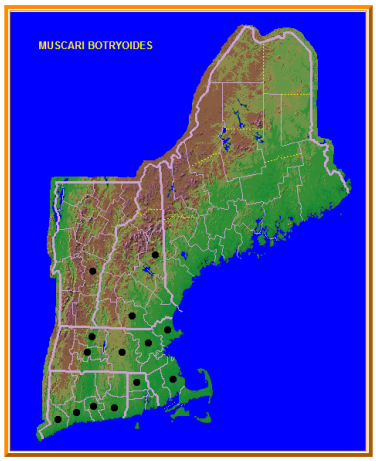


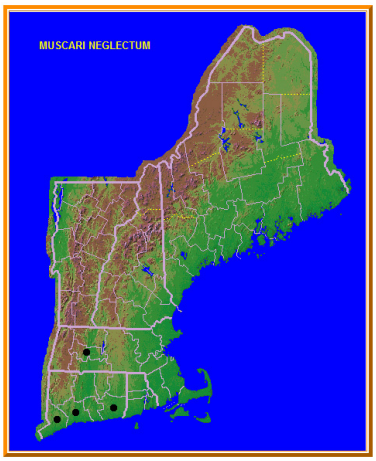


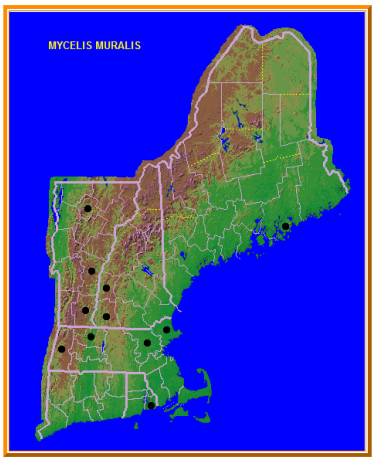
Muhlenbergia sylvatica (Torrey) Torrey *ex* A. Gray - . 2n = 40.
Gravelly shores, rich woods. [*M. sylvatica* var. *robusta* Fernald]

Muhlenbergia tenuiflora (Willdenow) Britton, Sterns & Poggenburg - . 2n = 40.
Rocky woods, shaded cliffs.

Muhlenbergia uniflora (Muhlenberg) Fernald - . 2n = ca. 42.
Bogs, meadows, sandy shores, roadsides.







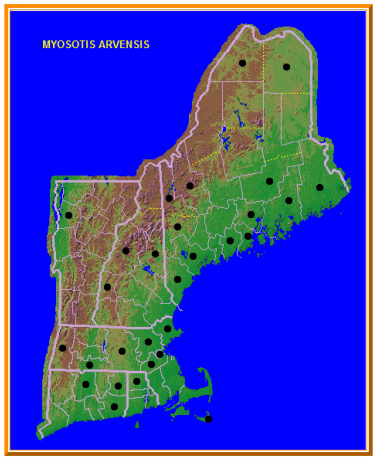
MUSCARI (Family: Asparagaceae)

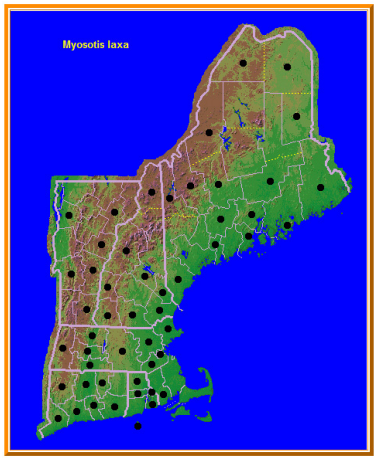
MUSCARI BOTRYOIDES (Linnaeus) Miller - **Grape-hyacinth**. 2n = 18, 36, (48), (54).
Pastures, fields, roadsides, waste places. From Europe.

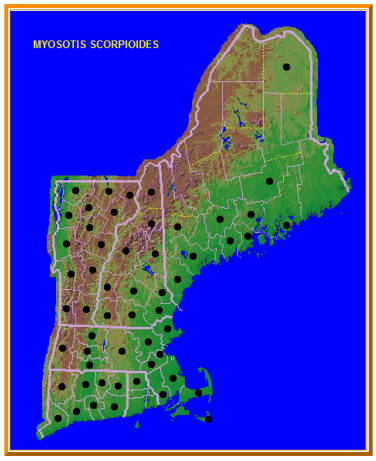
MUSCARI NEGLECTUM Gussone *ex* Tenore - **Blue-bottle**. 2n = 18, 27, (28), 36, 45, 54, (63), (72).
Fields, roadsides, lawns, waste places. From Europe. *[M. ATLANTICUM* Boissier & Reuter; *M. RACEMOSUM* (Linnaeus) Lamarck & de Candolle]

MYCELIS (Family: Asteraceae)

MYCELIS MURALIS (Linnaeus) Dumortier - . 2n = 18.
Roadsides, woodland margins or openings, waste places. From Eurasia, northern Africa. [*LACTUCA MURALIS* (Linnaeus) Gaertner - invalid name]





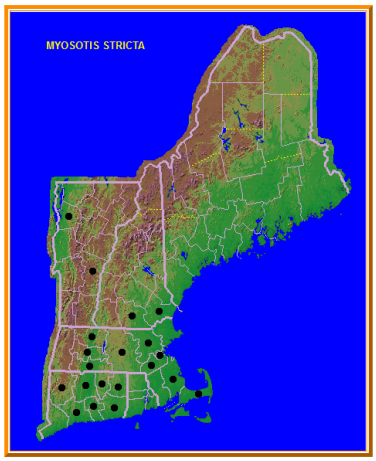


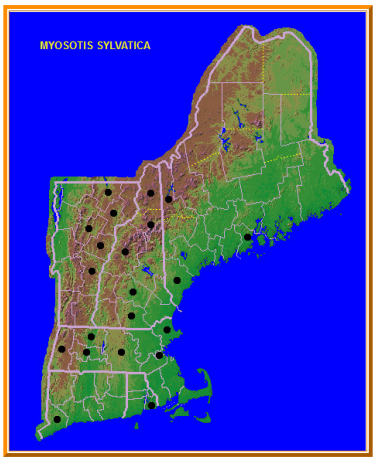
MYOSOTIS (Family: Boraginaceae)

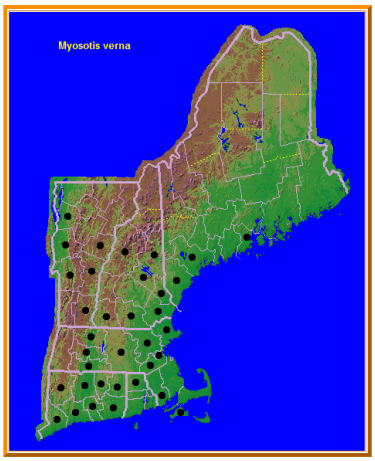
MYOSOTIS ARVENSIS (Linnaeus) Hill - . 2n = (36), 48, 52, (54), (66).
Roadsides, waste places, fields. From Eurasia, northwestern Africa.

Myosotis laxa Lehmann - **Smaller Forget-me-not**. 2n = 84, 88.
Springs, muddy or gravelly shores.

MYOSOTIS SCORPIOIDES Linnaeus - **True Forget-me-not**. 2n = (22), (44), (64), 66.
Springs, muddy shores, quiet water, wet ditches, swampy meadows, and other wet ground. From Eurasia.



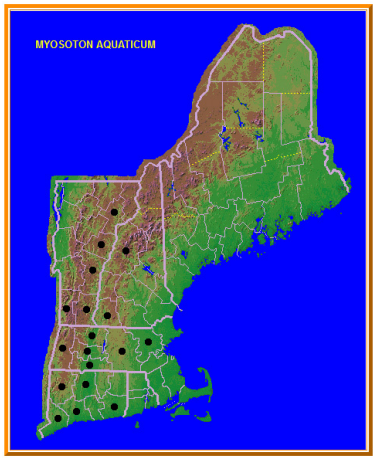


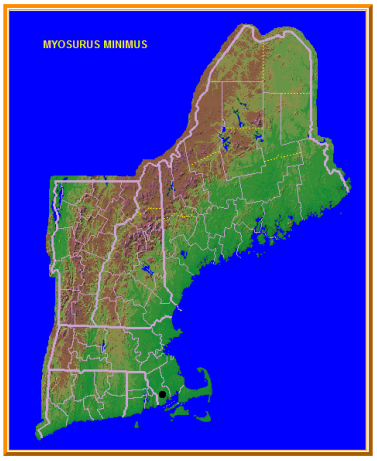


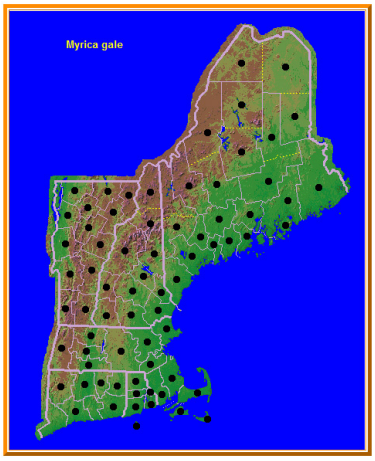
MYOSOTIS STRICTA Link *ex* Roemer & Schultes - . 2n = (24), (36), 48.
Old fields, roadsides, waste places, often in rocky soil. From Eurasia, northwestern Africa. [*M. MICRANTHA* misapplied]

MYOSOTIS SYLVATICA Hoffmann - **Garden Forget-me-not**. 2n = (14), 18, (20), (22), (24), (32), (48).
Roadsides, waste places. From Eurasia.

Myosotis verna Nuttall - **Early Scorpion-grass**. 2n = ?
Dry, rocky woodlands, ledges, open banks.







MYOSOTON (Family: Caryophyllaceae)

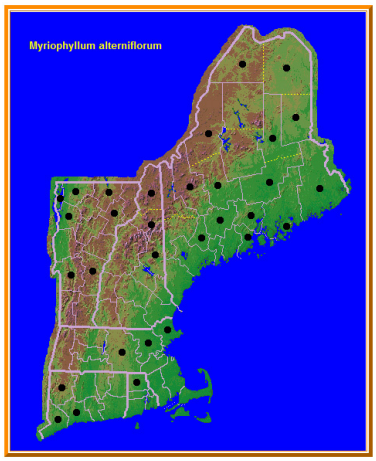
MYOSOTON AQUATICUM (Linnaeus) Moench - **Water Chickweed**. 2n = (20), 28, (29).
Stream banks, meadows, alluvial woods. From Eurasia. [*Stellaria aquatica* (Linnaeus) Scopoli]

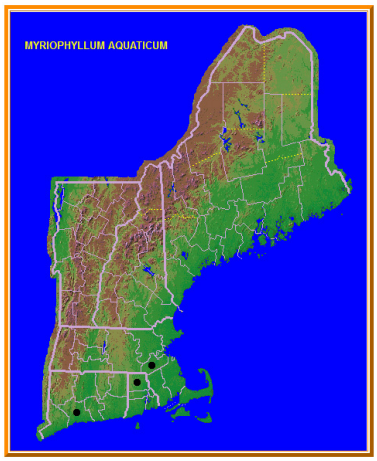
MYOSURUS (Family: Ranunculaceae)

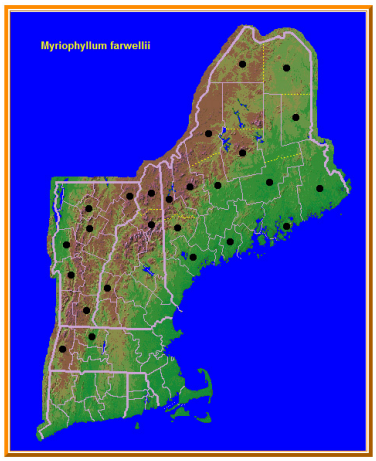
MYOSURUS MINIMUS Linnaeus - **Little Mousetail**. 2n = 16, (28).
Fields. From farther west and south.

MYRICA (Family: Myricaceae)

Myrica gale Linnaeus - **Sweet Gale**. 2n = (16), 48, (80), (96).
Shallow water at edges of ponds, lakes, streams, swamps, bogs. [*M. gale* var. *subglabra* (A. Chevalier) Fernald]





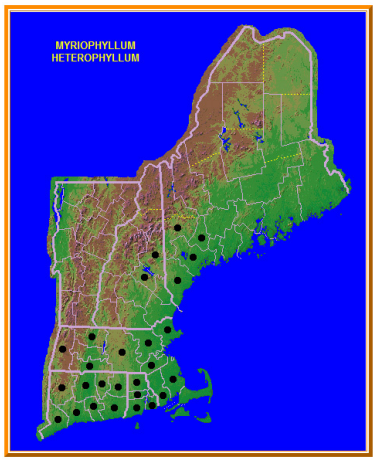


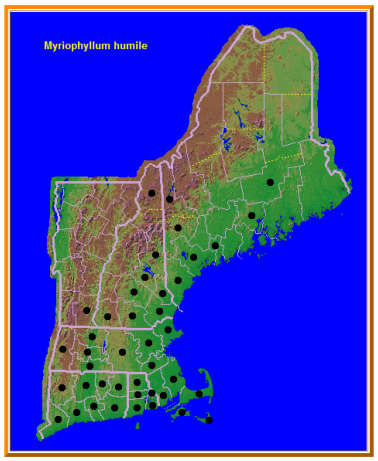
MYRIOPHYLLUM (Family: Haloragaceae)

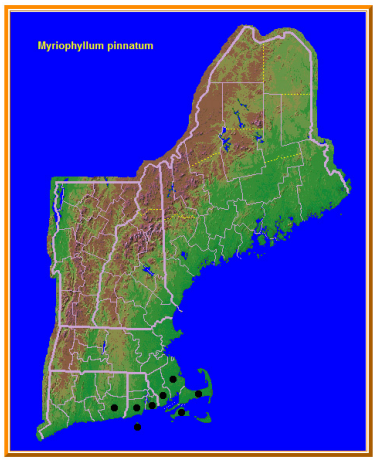
Myriophyllum alterniflorum de Candolle - . 2n = 14.
Quiet water of ponds, lakes and streams.

MYRIOPHYLLUM AQUATICUM (Vellozo) Verdcourt - **Parrot's-feather**. 2n = ca. 48.
Quiet water of ponds and streams. From South America.

Myriophyllum farwellii Morong - . 2n = 14.
Quiet water of ponds and streams.



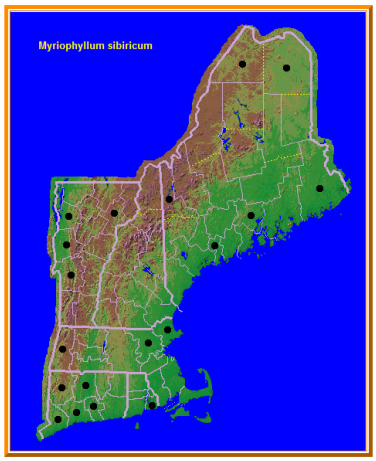


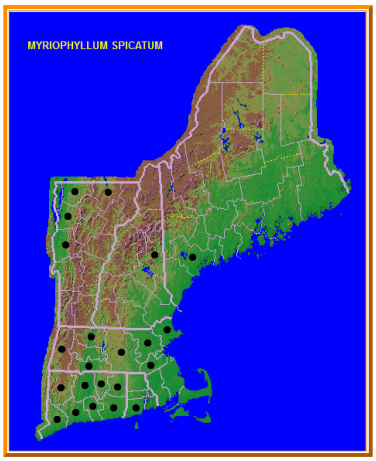


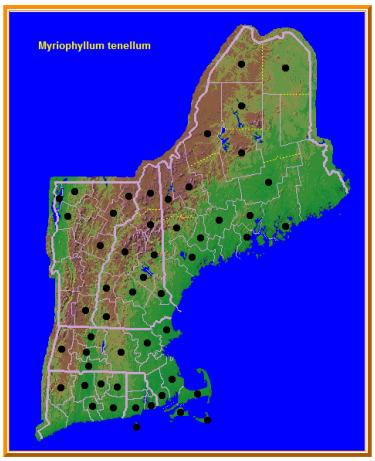
MYRIOPHYLLUM HETEROPHYLLUM Michaux - . 2n = ?
Quiet water of ponds, lakes and streams. From farther south and west.

Myriophyllum humile (Rafinesque) Morong - . 2n = ?
Quiet water of ponds, lakes and streams, shorelines of receding waters.

Myriophyllum pinnatum (Walter) Britton, Sterns & Poggenburg - . 2n = ?
Peaty or muddy shores, shallow waters.



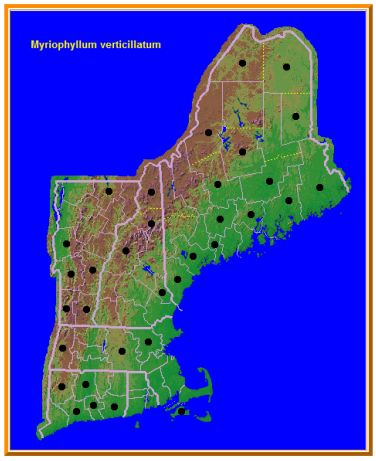


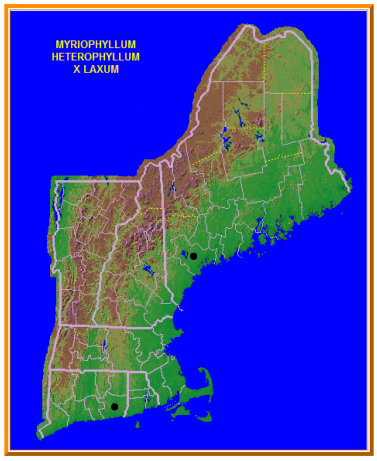


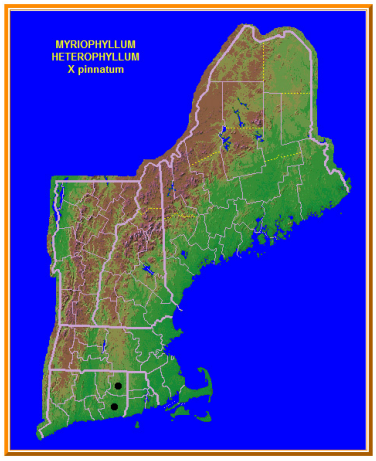
Myriophyllum sibiricum Komarov - **Siberian Water-milfoil**. 2n = (14), 42.
Quiet waters of lakes, ponds, and streams, in circumneutral or calcareous water. [*M. exalbescens* Fernald]

MYRIOPHYLLUM SPICATUM Linnaeus - **Eurasian Water-milfoil**. 2n = 28, 36, 42.
Quiet waters of lakes, ponds, and streams, in circumneutral or calcareous water. From Eurasia, northwestern Africa.

Myriophyllum tenellum Bigelow - . 2n = 14.
Shallow water, or sandy or muddy shores, of circumneutral or acidic ponds and lakes.





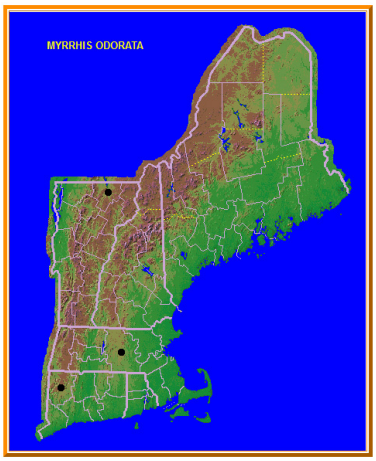


Myriophyllum verticillatum Linnaeus - . 2n = 28, (42).
Quiet water of ponds, lakes and streams. [*M. verticillatum* var. *pectinatum* Wallroth; *M. verticillatum* subsp. *pectinatum* Piper &Beattie]

Myriophyllum hybrids

MYRIOPHYLLUM HETEROPHYLLUM Michaux X ***M. LAXUM*** Shuttleworth *ex* Chapman - .

MYRIOPHYLLUM HETEROPHYLLUM Michaux X ***M. pinnatum*** (Walter) Britton, Sterns & Poggenburg - .

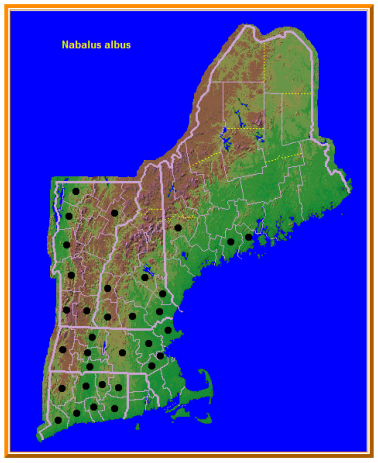


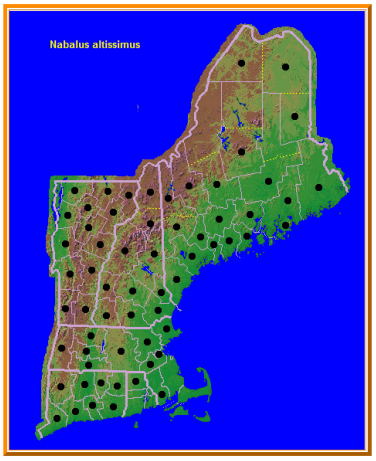
MYRIOPTERIS (Family: Pteridaceae)

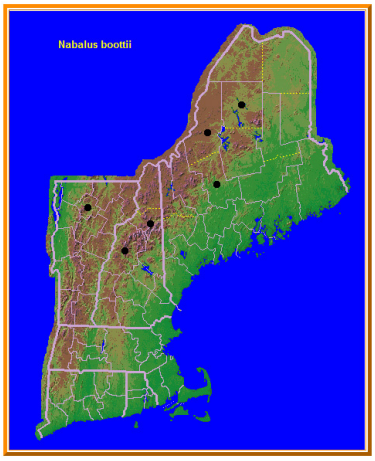
Myriopteris lanosa (Michaux) Grusz & Windham - **Hairy Lip Fern**. 2n = 60.
Rocks and cliffs, calcareous or siliceous. [*Cheilanthes lanosa* (Michaux) D.C. Eaton; *C. vestita* (Sprengel) Swartz]

MYRRHIS (Family: Apiaceae)

MYRRHIS ODORATA (Linnaeus) Scopoli - **Garden Myrrh**. 2n = 22.
Roadsides, hedgerows. From Europe.





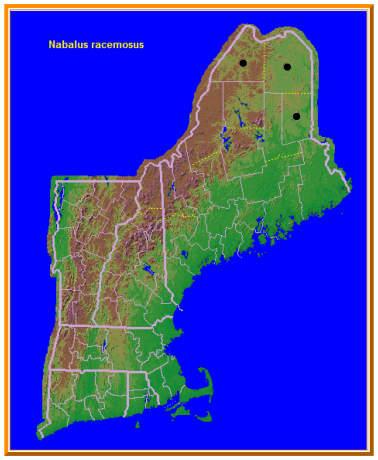


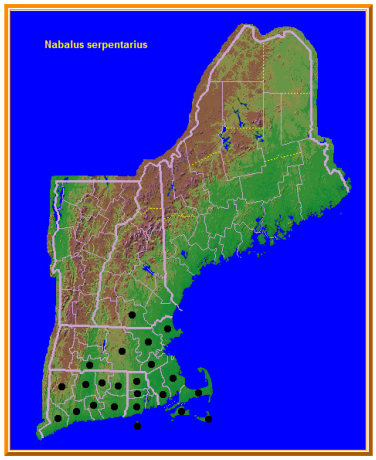
NABALUS (Family: Asteraceae)

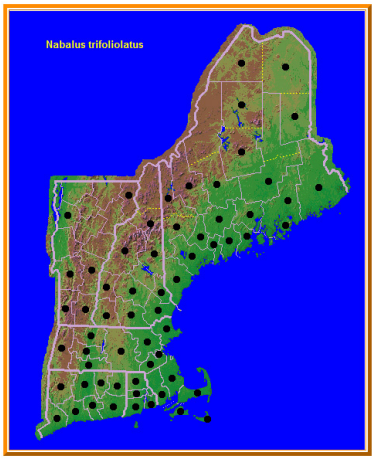
Nabalus albus (Linnaeus) Hooker - **White Lettuce**. 2n = 32.
Rich woods, thickets, mostly moist. [*Prenanthes alba* Linnaeus]

Nabalus altissimus (Linnaeus) Hooker - . 2n = 16.
Rich, moist woods, shaded roadsides. [*Prenanthes altissima* Linnaeus]

Nabalus boottii de Candolle - **Alpine Rattlesnake-root**. 2n = 32.
Alpine areas. [*Prenanthes boottii* (de Candolle) D. Dietrich]



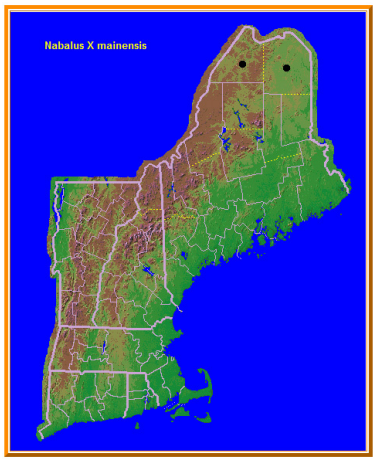


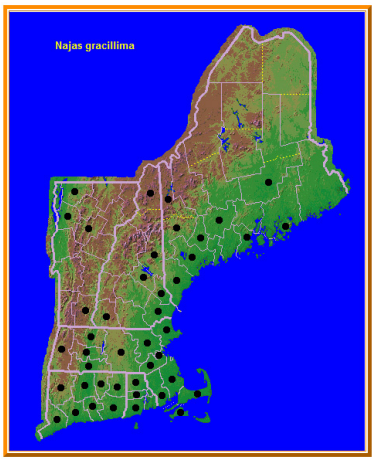


Nabalus racemosus (Michaux) Hooker - **Glaucous White Lettuce**. 2n = 16.
River shores. [*Prenanthes racemosa* Michaux]

Nabalus serpentarius (Pursh) Hooker - **Cankerweed**. 2n = 16.
Dry, open woods, clearings, woodland borders. [*Prenanthes serpentaria* Pursh]

Nabalus trifoliolatus Cassini - . 2n = 16.
Open woods, thickets, clearings. [*N. trifoliatus* var. *nanus* (Bigelow) Weakley; *Prenanthes trifoliolata* (Cassini) Fernald; *P. trifoliolata* var. *nana* (Bigelow) Fernald]





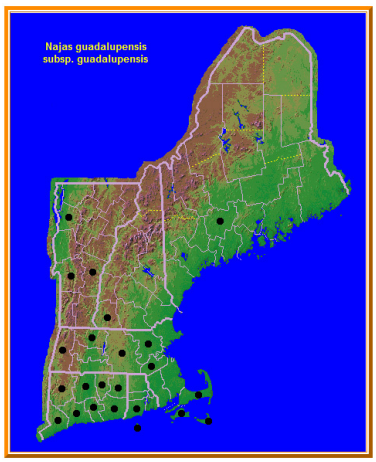
***Nabalus* hybrid**

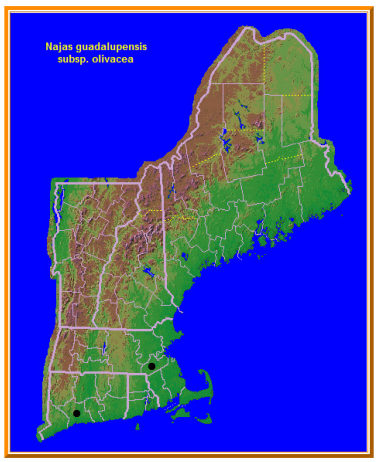
Nabalus X ***mainensis*** (A. Gray) Heller (*pro species*) - .
[*N. racemosus* (Michaux) Hooker X *N. trifoliolatus* Cassini; *Prenanthes* X *mainensis* A. Gray]

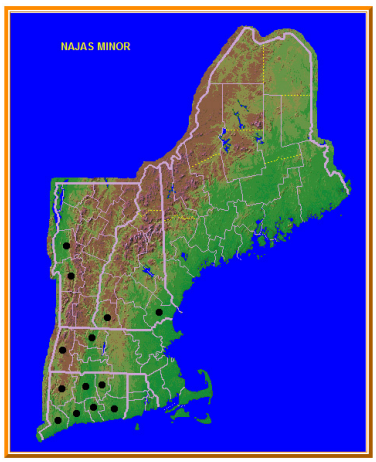
NAJAS (Family: Hydrocharitaceae)

Najas flexilis (Willdenow) Rostkovius & W.L.E. Schmidt - **Northern Water-nymph**. 2n = 24.
Quiet, shallow water of ponds and streams, usually rooting in mud. Note: The cryptic species *N. canadensis* Michaux is not generally separated from *N. flexilis* in the major herbaria and would be included among the specimens mapped here.

Najas gracillima (A. Braun *ex* Engelmann) Magnus - . 2n = 12.
Muddy, sandy or sphagnous ponds and shores.



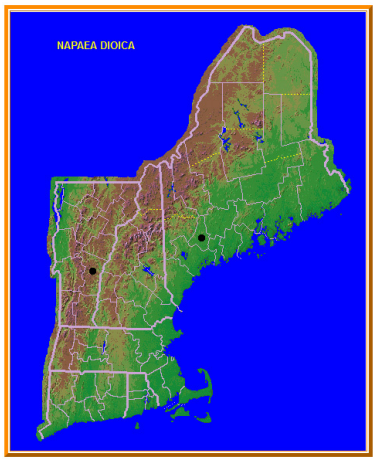


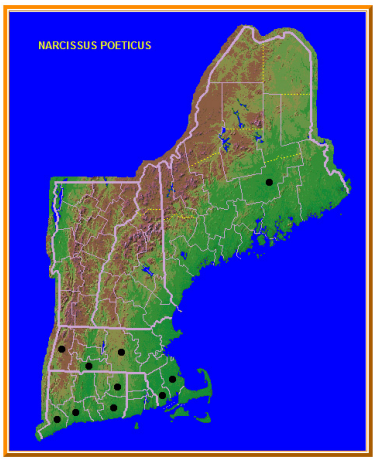


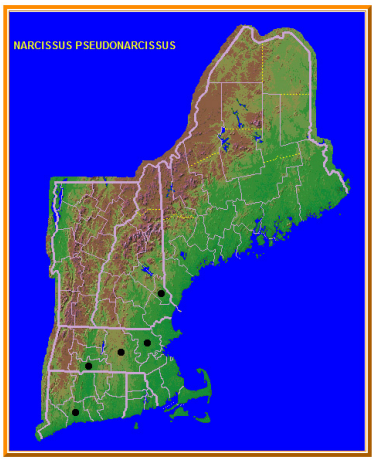
Najas guadalupensis (Sprengel) Magnus subsp. ***guadalupensis*** - **Southern Water-nymph**. 2n = 24.
Ponds and streams.

Najas guadalupensis (Sprengel) Magnus subsp. ***olivacea*** (Rosendahl & Butters) R.R. Haynes & Hellquist - . 2n = ?
Ponds. [*N. olivacea* Rosendahl & Butters]

NAJAS MINOR Allioni - . 2n = (12), 24, (46), (56).
Quiet, basic water of lakes and streams. From the Old World.







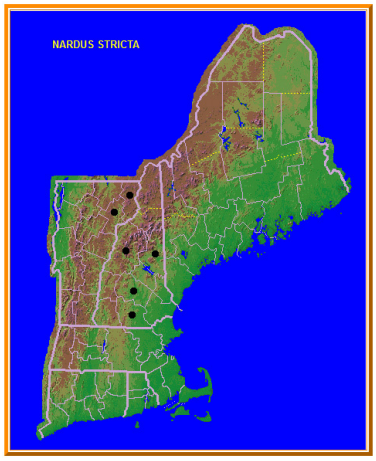
NAPAEA (Family: Malvaceae)

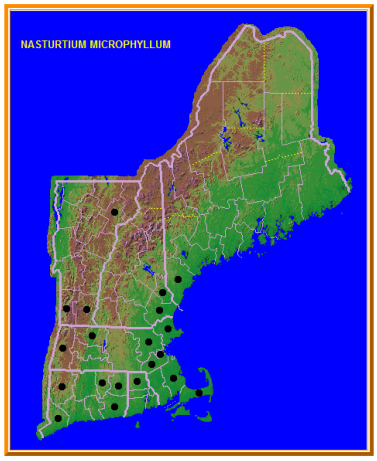
NAPAEA DIOICA Linnaeus - **Glade-mallow**. 2n = ca. 30.
Roadsides, railroads. From farther west and south.

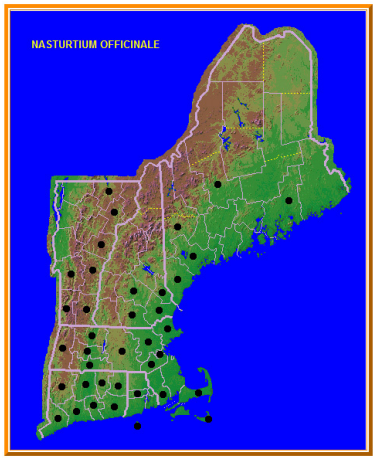
NARCISSUS (Family: Amaryllidaceae)

NARCISSUS POETICUS Linnaeus - **Poet's Narcissus**. 2n = 14, (21).
Fields, moist meadows. From Europe.

NARCISSUS PSEUDONARCISSUS Linnaeus - **Daffodil**. 2n = 14, 14 + (1-2)B, 21 + (0-1)B, 28, (29), (42), (43).
Fields, open groves, moist meadows. From Europe.







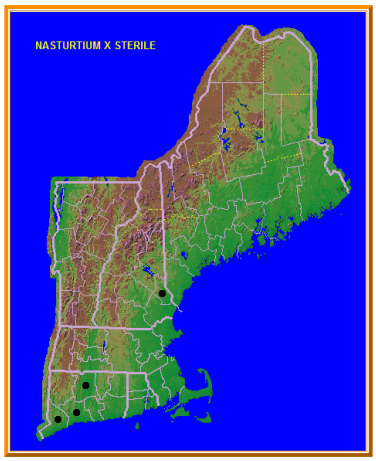
NARDUS (Family: Poaceae)

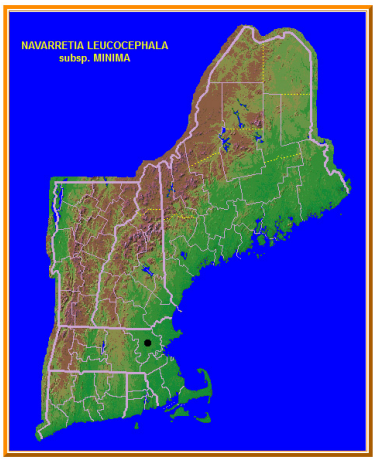
NARDUS STRICTA Linnaeus - **Moor Matgrass**. 2n = (24), 26.
Old fields, grassy riverbanks. From Europe.

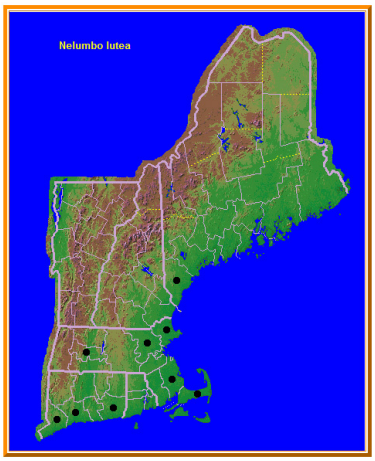
NASTURTIUM (Family: Brassicaceae)

NASTURTIUM MICROPHYLLUM Boenninghausen *ex* Reichenbach - . 2n = 64.
Brooks. From Europe. [*N. OFFICINALE* W.T. Aiton var. *MICROPHYLLUM* (Boenninghausen *ex* Reichenbach) Beck *ex* Thellung; *RORIPPA MICROPHYLLA* (Boenninghausen *ex* Reichenbach) Hylander *ex* Á. Löve & D. Löve]

NASTURTIUM OFFICINALE W.T. Aiton - **True Water-cress**. 2n = 32.
Brooks, ditches, springheads. From Eurasia, northern Africa. [*N. OFFICINALE* var. *SIIFOLIUM* Reiche; *RORIPPA NASTURTIUM-AQUATICUM* (Linnaeus) Hayek]







***Nasturtium* hybrid**

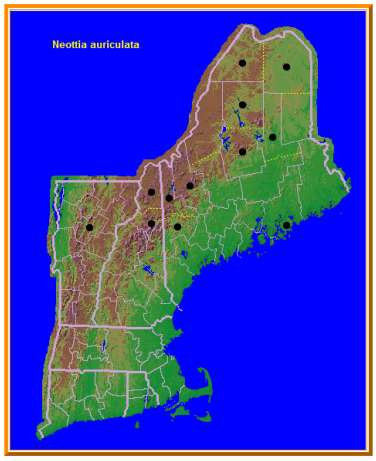
NASTURTIUM X ***STERILE*** (Airy Shaw) Oefelein - .
[*N. MICROPHYLLUM* Boenninghausen *ex* Reichenbach X *N. OFFICINALE* W.T. Aiton; *RORIPPA* X *STERILIS* Airy Shaw]

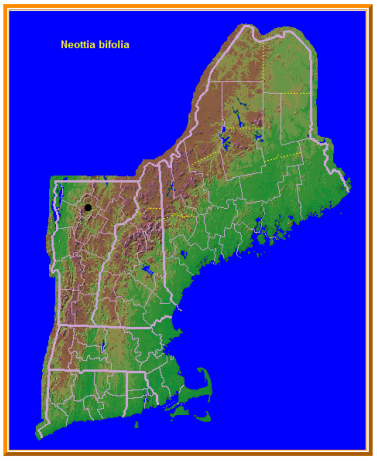
NAVARRETIA (Family: Polemoniaceae)

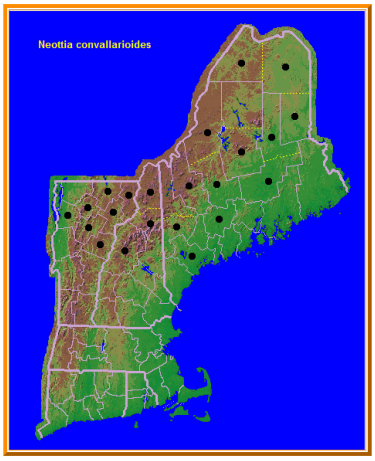
NAVARRETIA LEUCOCEPHALA Bentham subsp. ***MINIMA*** (Nuttall) A.G. Day - . 2n = 18.
Wool waste. From western United States.

NELUMBO (Family: Nelumbonaceae)

Nelumbo lutea Willdenow - **American Lotus**. 2n = 16.
Ponds, quiet streams.





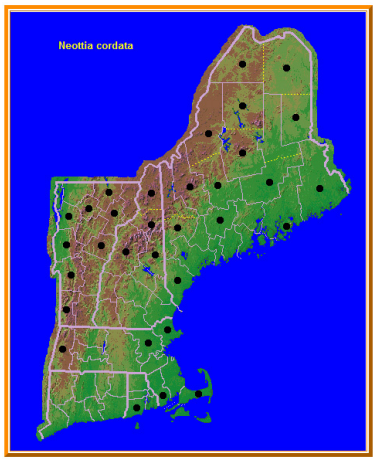


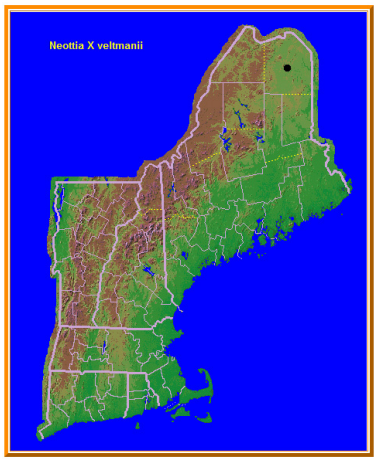
NEOTTIA (Family: Orchidaceae)

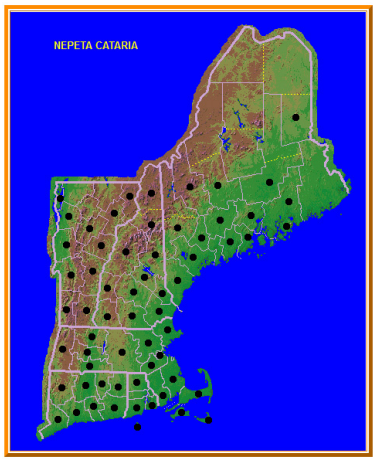
Neottia auriculata (Wiegand) Szlachetko - **Auricled Twayblade.** 2n = ?
Moist woods and thickets. [*Listera auriculata* Wiegand]

Neottia bifolia (Rafinesque) Baumbach - **Southern Twayblade**. 2n = ?
Sphagnous thickets and bogs. [*Listera australis* Lindley]

Neottia convallarioides (Swartz) Richard - **Broad-lipped Twayblade**. 2n = 36.
Wet or swampy woods, often with *Thuja*, shores. [*Listera convallarioides* (Swartz) Elliott]







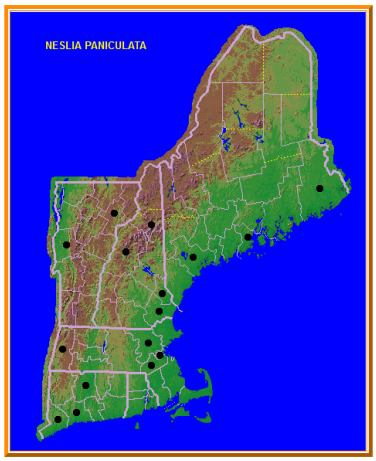
Neottia cordata (Linnaeus) Richard - **Heartleaf Twayblade**. 2n = 34 + (0 - 4)B, 38, 39-42, (44).
Mossy knolls in wet woods. [*Listera cordata* (Linnaeus) R. Brown]

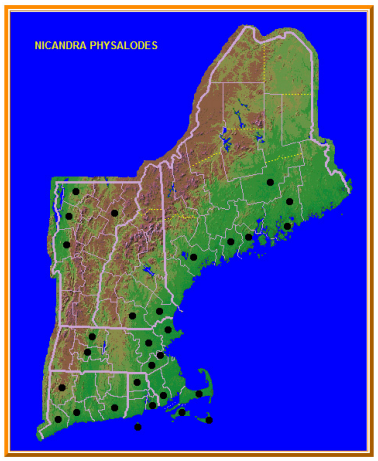
***Neottia* hybrid**

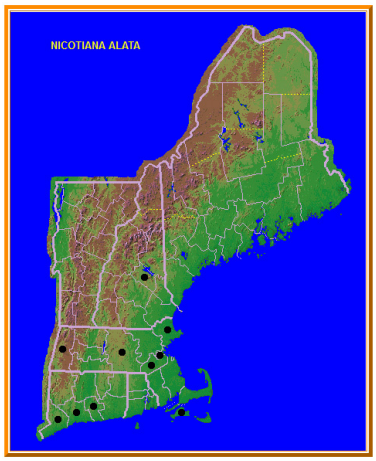
Neottia X ***veltmanii*** (Case) Baumbach - .
[*N. auriculata* (Wiegand) Szlachetko X *N. convallarioides* (Swartz) Richard; *Listera* X *veltmanii* Case]

NEPETA (Family: Lamiaceae)

NEPETA CATARIA Linnaeus - **Catnip**. 2n = 34, 36.
Fields, waste places, roadsides, deciduous woodlands. From Eurasia.







NESLIA (Family: Brassicaceae)

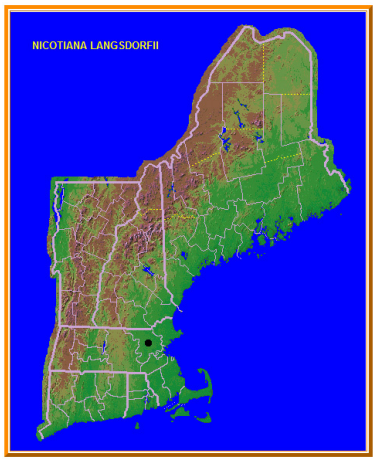
NESLIA PANICULATA (Linnaeus) Desvaux - **Ball-mustard**. 2n = 14, 28.
Railroads, waste places, fields, roadsides. From Eurasia, northern Africa.

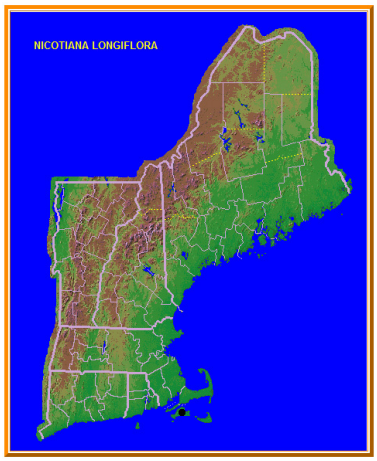
NICANDRA (Family: Solanaceae)

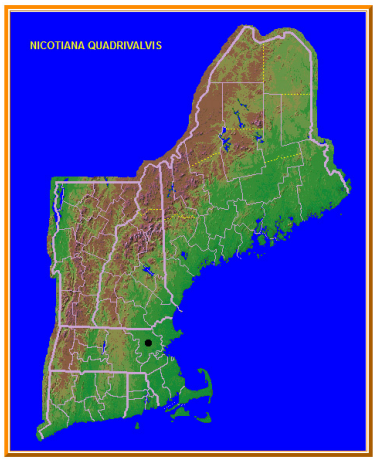
NICANDRA PHYSALODES (Linnaeus) Gaertner - **Apple-of-Peru**. 2n = 20.
Waste places, roadsides. From Peru.

NICOTIANA (Family: Solanaceae)

NICOTIANA ALATA Link & Otto - **Jasmine Tobacco**. 2n = 18.
Waste places, roadsides. From South America. [*N. AFFINIS* T. Moore]



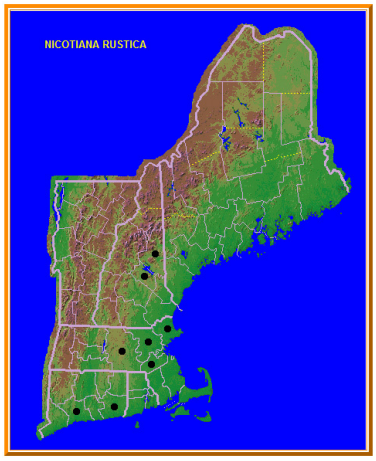


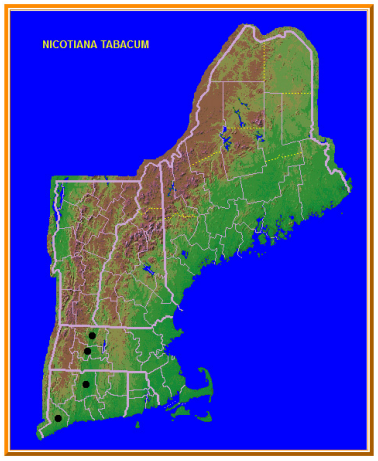


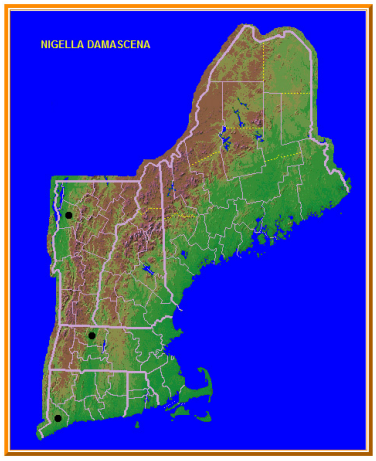
NICOTIANA LANGSDORFII Weinmann - . 2n = 18, 36.
Waste places. From South America.

NICOTIANA LONGIFLORA Cavanilles - . 2n = 20.
Waste places. From South America.

NICOTIANA QUADRIVALVIS Pursh - . 2n = 48.
Wool waste. From farther west. [*N. QUADRIVALVIS* var. *BIGELOVII* (Torrey) DeWolf]





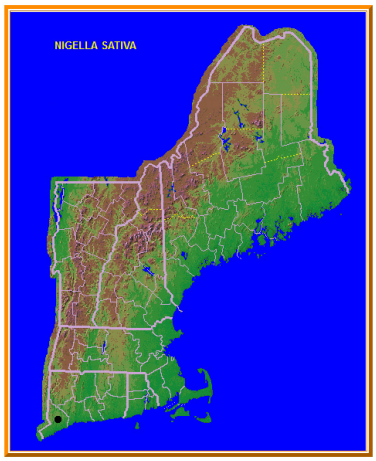


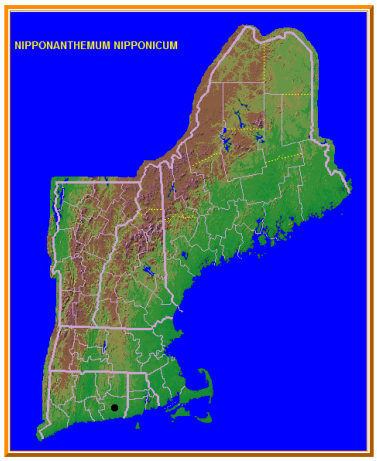
NICOTIANA RUSTICA Linnaeus - **Aztec Tobacco**. 2n = 48.
Fields, roadsides, waste places. From western South America.

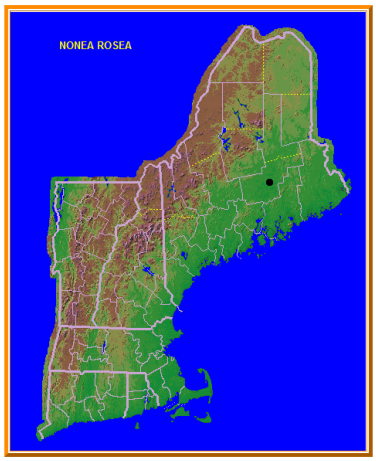
NICOTIANA TABACUM Linnaeus - **Common Tobacco**. 2n = 24, 48.
Fields, waste places. From tropical America.

NIGELLA (Family: Ranunculaceae)

NIGELLA DAMASCENA Linnaeus - **Love-in-a-mist**. 2n = 12, (14).
Waste ground. From Eurasia.







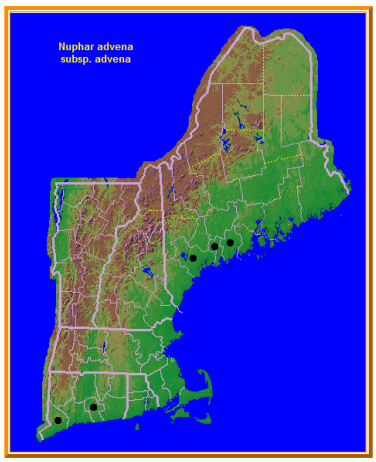
NIGELLA SATIVA Linnaeus - **Black Caraway**. 2n = 12, (24).
Waste ground. From Eurasia.

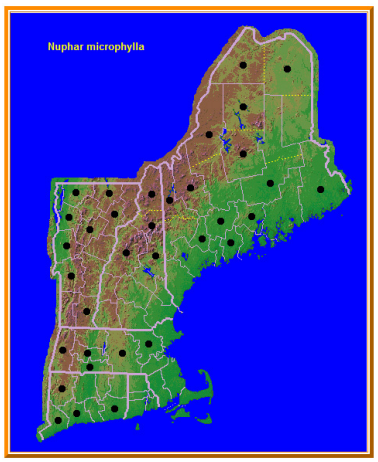
NIPPONANTHEMUM (Family: Asteraceae)

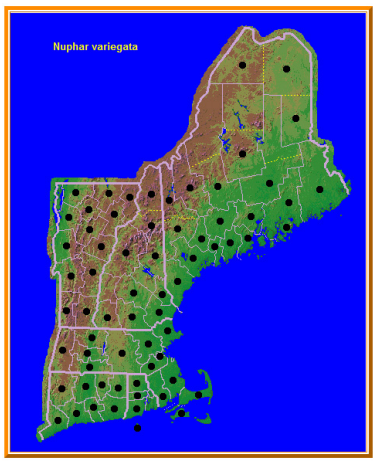
NIPPONANTHEMUM NIPPONICUM (Franchet *ex* Maximowicz) Kitamura - **Montauk Daisy**. 2n = 18.
Beaches. From Japan. [*CHRYSANTHEMUM NIPPONICUM* (Franchet *ex* Maximowicz) Sprenger]

NONEA (Family: Boraginaceae)

NONEA ROSEA (M. von Bieberstein) Link - . 2n = ?
Waste places. From southeastern Europe.





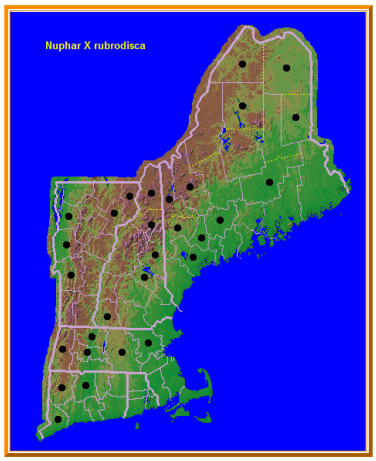


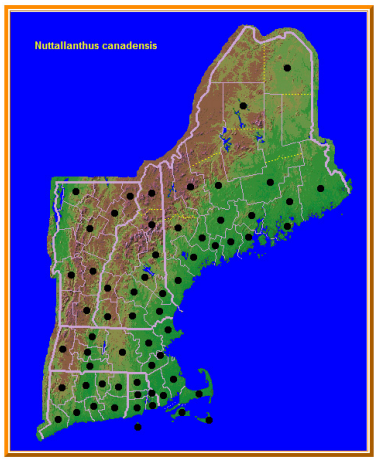
NUPHAR (Family: Nymphaeaceae)

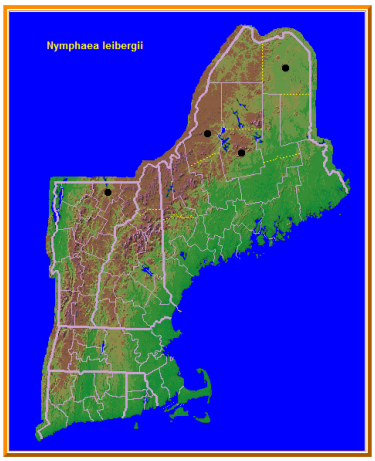
Nuphar advena (Aiton) W.T. Aiton subsp. ***advena*** - **Southern Yellow Pond-lily**. 2n = 34.
Quiet water of streams, ponds and lakes. [*N. lutea* (Linnaeus) Smith subsp. *advena* (Aiton) Kartesz & Gandhi]

Nuphar microphylla (Persoon) Fernald - **Small Yellow Pond-lily**. 2n = 34.
Quiet water of streams, ponds and lakes. [*N. lutea* (Linnaeus) Smith subsp. *pumila* (Timm) E.O. Beal]

Nuphar variegata Engelmann *ex* Durand - **Bullhead-lily**. 2n = 34.
Ponds and quiet water of streams. [*N. lutea* (Linnaeus) Smith subsp. *variegata* (Engelmann *ex* Durand) E.O. Beal]







***Nuphar* hybrid**

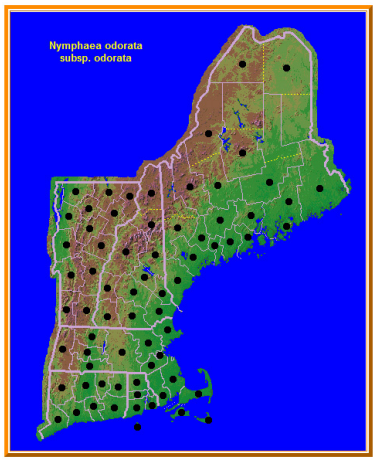
Nuphar X ***rubrodisca*** Morong - .
[*N. microphylla* (Persoon) Fernald X *N. variegata* Engelmann *ex* Durand; *N. lutea* (Linnaeus) Smith subsp. *rubrodisca* (Morong) Hellquist & Wiersema]

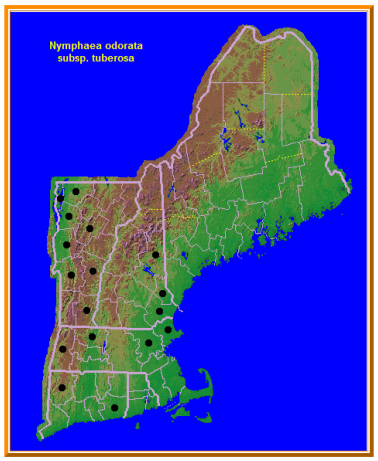
NUTTALLANTHUS (Family: Plantaginaceae)

Nuttallanthus canadensis (Linnaeus) D.A. Sutton - **Old-field Toadflax**. 2n = 12.
Sandy soil, waste places. [*Linaria canadensis* (Linnaeus) Dumont de Courset]

NYMPHAEA (Family: Nymphaeaceae)

Nymphaea leibergii Morong - **Pygmy Water-lily**. 2n = 84, 112.
Pond and lake margins. [*N. tetragona* misapplied]



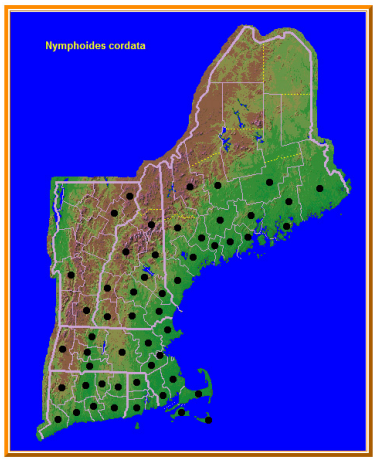


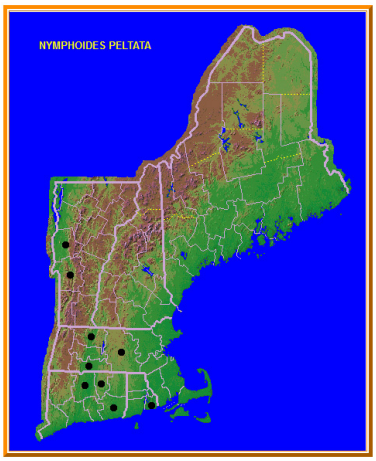
Nymphaea odorata Aiton subsp. ***odorata*** - **Fragrant Water-lily**. 2n = 42, 56, 84.
Ponds, quiet water. [*N. odorata* var. *gigantea* Tricker]

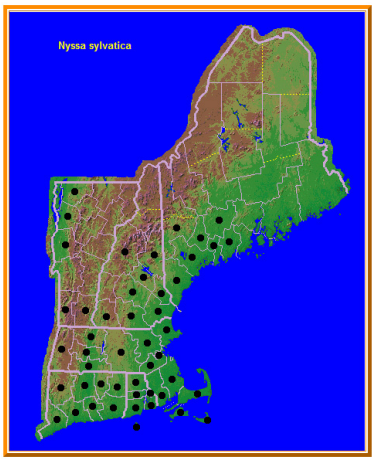
Nymphaea odorata Aiton subsp. ***tuberosa*** (Paine) Wiersema & Hellquist - **Magnolia Water-lily**. 2n = ?
Ponds, quiet water. [*N. tuberosa* Paine]

***Nymphaea* hybrid**

Nymphaea leibergii Morong X ***N. odorata*** Aiton subsp. ***odorata*** - .







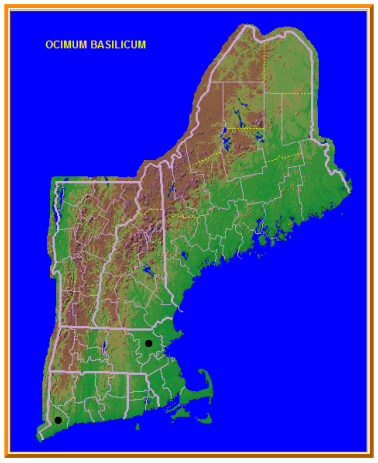
NYMPHOIDES (Family: Menyanthaceae)

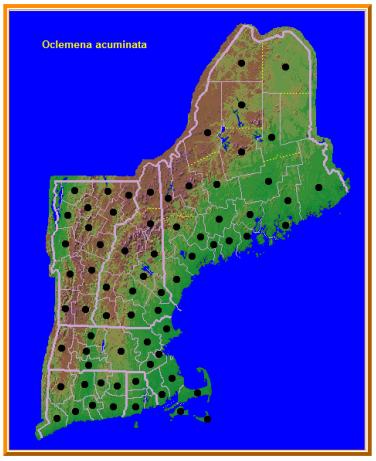
Nymphoides cordata (Elliott) Fernald - . 2n = 36.
Ponds, lakes, slow streams.

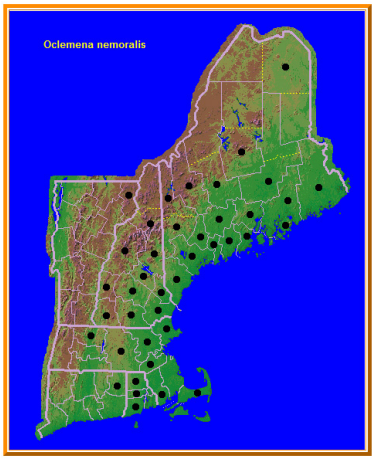
NYMPHOIDES PELTATA (S.G. Gmelin) Kuntze - **Yellow Floating-heart**. 2n = 54, 56.
Ponds. From Eurasia. [*N. FLAVA* Druce -- illegitimate name]

NYSSA (Family: Nyssaceae)

Nyssa sylvatica Marshall - **Black Tupelo**. 2n = 44.
Swamps, shores, low, acidic woodlands.







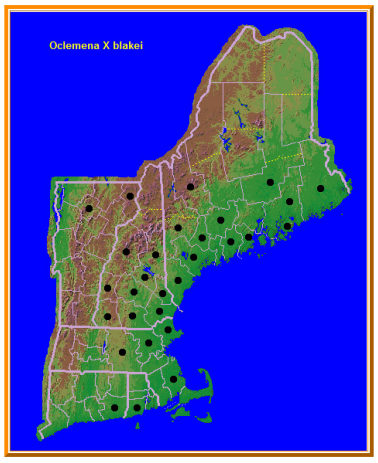
OCIMUM (Family: Lamiaceae)

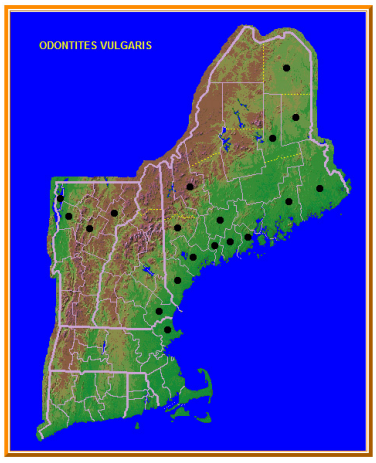
OCIMUM BASILICUM Linnaeus - **Sweet Basil**. 2n = (30), 48, 52, 72.
Waste places. Possibly from Africa.

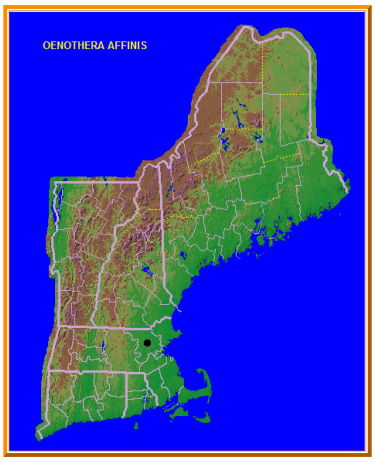
OCLEMENA (Family: Asteraceae)

Oclemena acuminata (Michaux) Greene - **Mountain Aster**. 2n = 18.
Woods, often acidic. [*Aster acuminatus* Michaux]

Oclemena nemoralis (Aiton) Greene - **Bog Aster**. 2n = 18.
Sphagnum bogs and shores. [*Aster nemoralis* Aiton]







***Oclemena* hybrid**

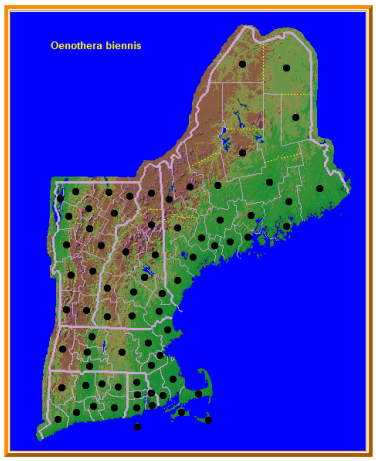
Oclemena X ***blakei*** (Porter) G.L. Nesom - . 2n = 18.
[*O. acuminata* (Michaux) Greene X *O. nemoralis* (Aiton) Greene; *Aster blakei* (Porter) House]

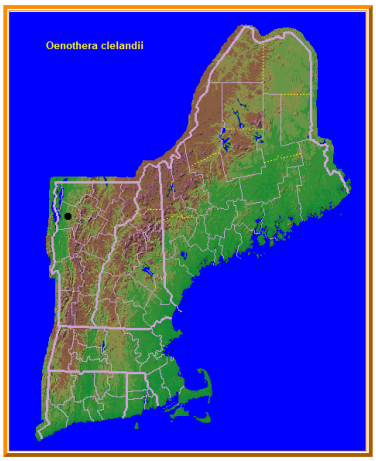
ODONTITES (Family: Orobanchaceae)

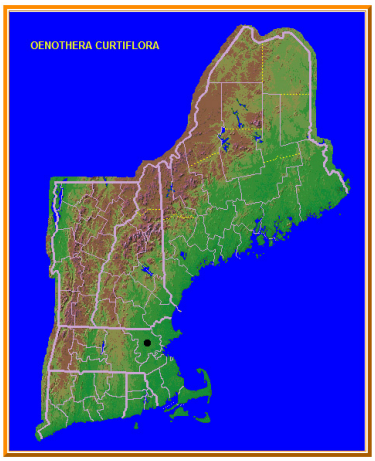
ODONTITES VULGARIS Moench - **Red Bartsia**. 2n = 18, (20).
Dry fields, roadsides, waste places. From Eurasia. [*O. SEROTINUS* misapplied; *O. VERNUS* (Bellardi) Dumortier subsp. *SEROTINUS* misapplied]

OENOTHERA (Family: Onagraceae)

OENOTHERA AFFINIS Cambessèdes - . 2n = ?
Waste places. From South America.



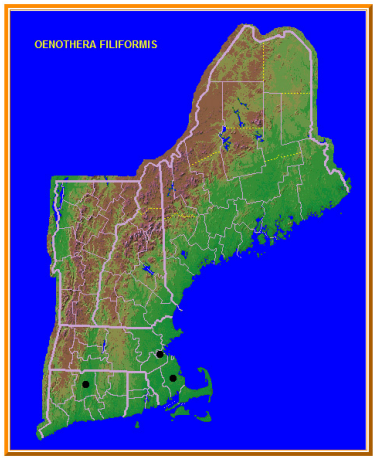


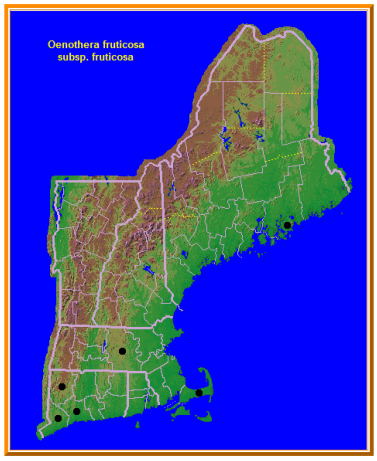


Oenothera biennis Linnaeus - **Common Evening-Primrose**. 2n = 14.
Roadsides, fields, waste places, river thickets. [*O. biennis* var. *pycnocarpa* (G.F. Atkinson & Bartlett) Wiegand]

Oenothera clelandii W. Dietrich, P.H. Raven, & W.L. Wagner - . 2n = 14.
Fields, sandy soil.

OENOTHERA CURTIFLORA W.L. Wagner & Hoch - . 2n = 14.
Waste places. From farther west. [*GAURA PARVIFLORA* Douglas *ex* Lehmann]

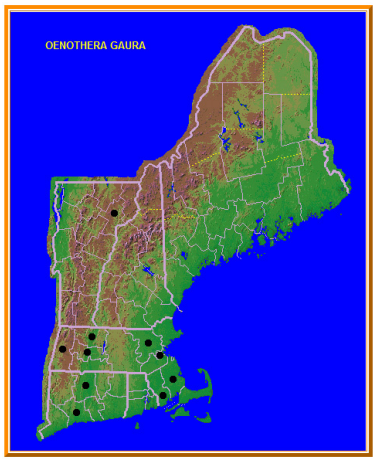


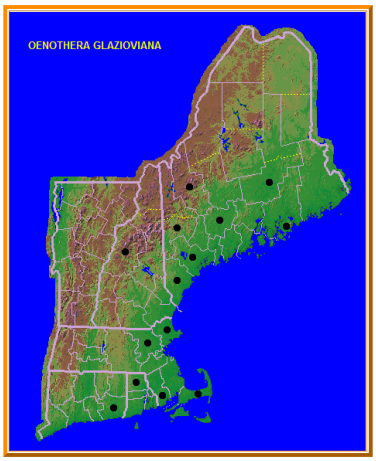


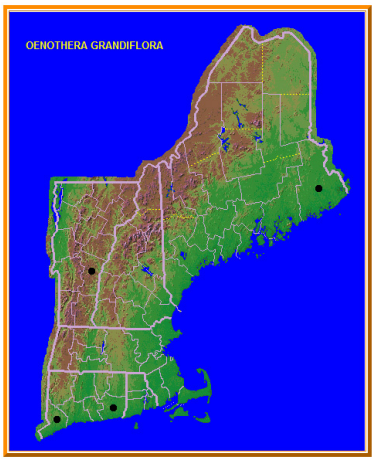
OENOTHERA FILIFORMIS (Small) W.L. Wagner & Hoch - . 2n = 14.
Waste places, roadsides, fields. From farther south and west. [*GAURA BIENNIS* Linnaeus var. *PITCHERI* Pickering]

Oenothera fruticosa Linnaeus subsp. ***fruticosa*** - **Southern Sundrops**. 2n = 28, 42, 56.
Salt marsh margins, meadows, swamps, fields. [*O. fruticosa* var. *eamesii* (B.L. Robinson) S.F. Blake; *O. fruticosa* var. *humifusa* Allen; *O. fruticosa* var. *linearis* (Michaux) S. Watson; *O. tetragona* Roth var. *longistipata* (Pennell) Munz]

Oenothera fruticosa Linnaeus subsp. ***tetragona*** (Roth) W.L. Wagner - . 2n = 28.
Gravelly, sandy eskers, dry fields and banks, woodland margins, waste places. [*O. fruticosa* Linnaeus subsp. *glauca* (Michaux) Straley; *O. tetragona* Roth var. *tetragona*]



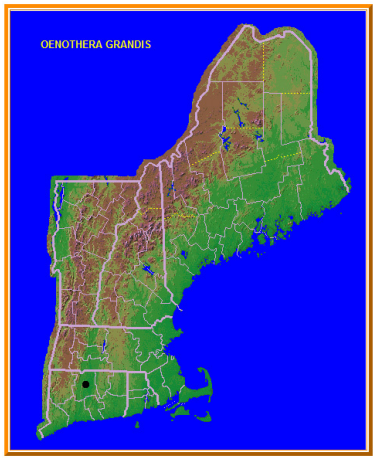


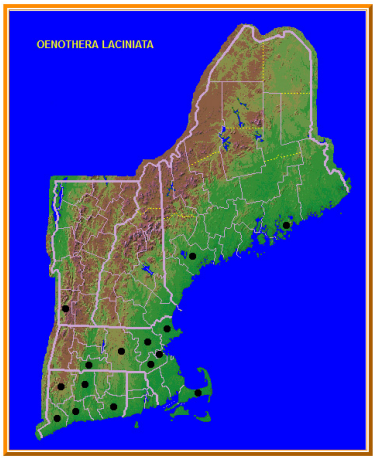


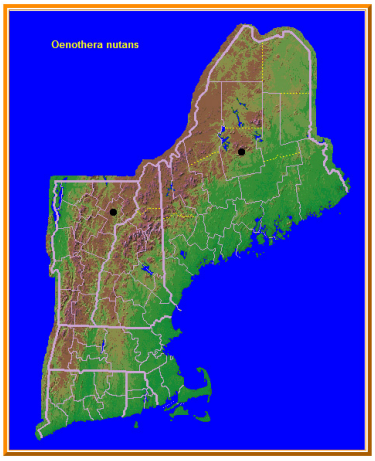
OENOTHERA GAURA W.L. Wagner & Hoch - . 2n = 14.
Roadsides, waste places, dry thickets. From farther south and west. [*GAURA BIENNIS* Linnaeus]

OENOTHERA GLAZIOVIANA Micheli - . 2n = 14.
Roadsides, waste places, fields. From farther south and west. [*O. ERYTHROSEPALA* Borbás]

OENOTHERA GRANDIFLORA L'Héritier - . 2n = 14.
Roadsides, waste places. From farther south. [*O. BIENNIS* Linnaeus var. *GRANDIFLORA* (L'Héritier *ex* Aiton) Torrey & A. Gray]



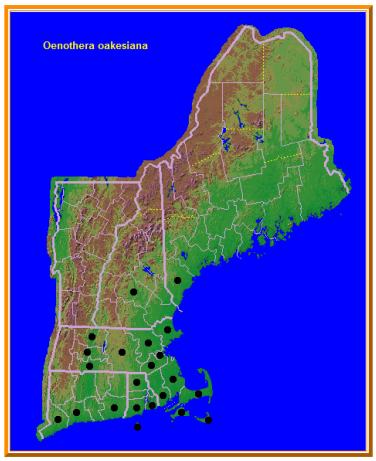


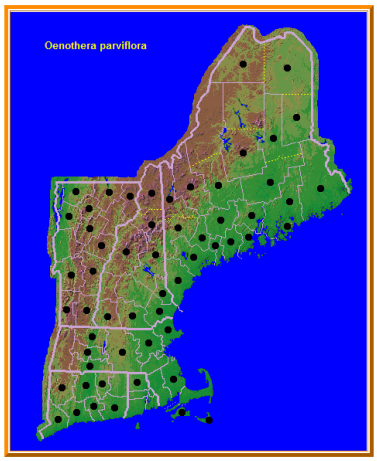


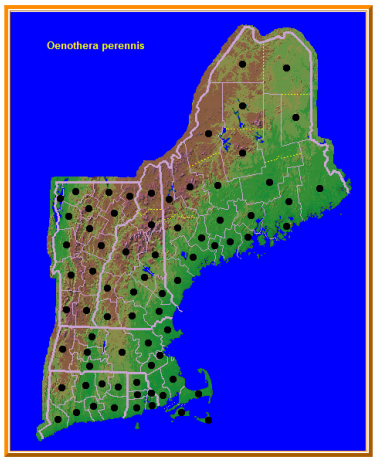
OENOTHERA GRANDIS (Britton) Smyth - . 2n = 14.
Fields. From farther west.

OENOTHERA LACINIATA Hill - . 2n = 14.
Waste places, roadsides, fields, usually in dry, sandy, open soil. From farther south and west.

Oenothera nutans G.F. Atkinson & Bartlett - . 2n = 14.
River thickets. [*O. biennis* Linnaeus var. *nutans* (G.F. Atkinson & Bartlett) Wiegand]



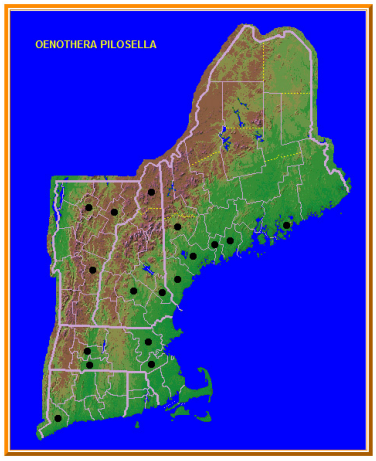


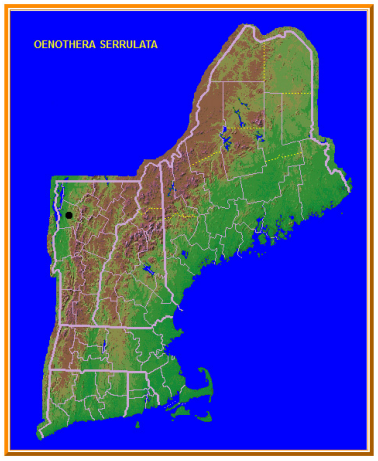


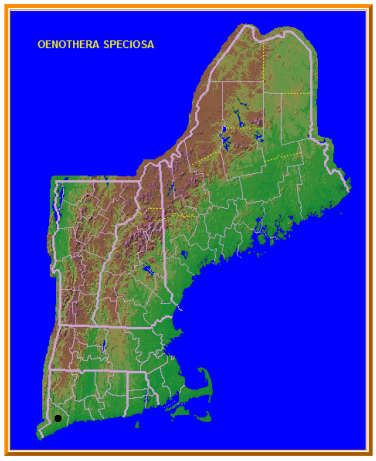
Oenothera oakesiana (A. Gray) J.W. Robbins *ex* S. Watson & J.M. Coulter - . 2n = 14.
Open, sandy areas of beaches, dunes, roadsides and fields. [*O. cruciata* Nuttall *ex* G. Don var. *stenopetala* (E.P. Bicknell) Fernald; *O. parviflora* Linnaeus var. *angustissima* (R.R. Gates) Wiegand; *O. parviflora* Linnaeus var. *oakesiana* (A. Gray) Fernald)]

Oenothera parviflora Linnaeus - . 2n = 14.
Streambanks, thickets, roadsides, railroads, fields, dry sand or gravel. [*O.* biennis Linnaeus var. *cruciata* (Nuttall *ex* G. Don) Torrey & A. Gray; *O. cruciata* Nuttall *ex* G. Don var. cruciata]

Oenothera perennis Linnaeus - **Little Sundrops**. 2n = 14.
Dry fields, clearings, roadsides, waste places, meadows.



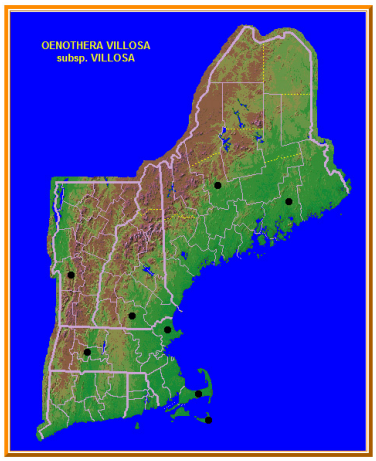


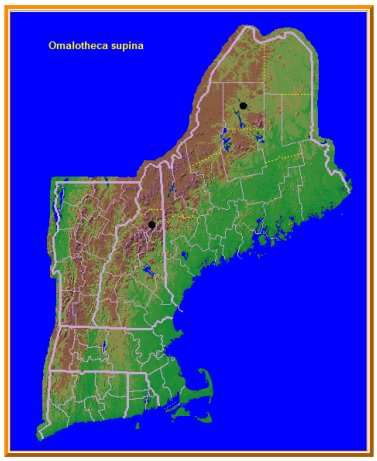


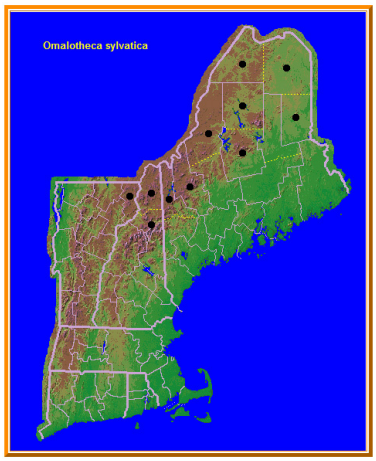
OENOTHERA PILOSELLA Rafinesque - . 2n = 56.
Dry woodlands, fields, roadsides, rocky shores, waste places. From farther west and south.

OENOTHERA SERRULATA Nuttall - . 2n = 14.
Railroads. From farther west. [*CALYLOPHUS SERRULATUS* (Nuttall) P.H. Raven]

OENOTHERA SPECIOSA Nuttall - **White Evening-Primrose**. 2n = 14, 28, 42.
Waste places, roadsides. From farther west and south.





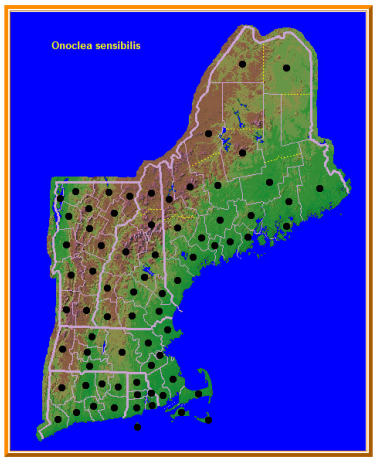


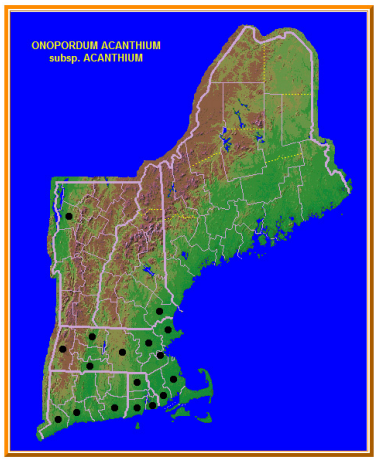
OENOTHERA VILLOSA Thunberg subsp. ***VILLOSA*** - . 2n = 14.
Fields, roadsides, waste places, beaches. From farther west. [*O. DEPRESSA* Greene]

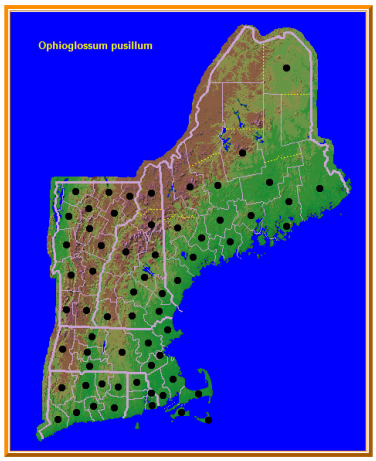
OMALOTHECA (Family: Asteraceae)

Omalotheca supina (Linnaeus) de Candolle - **Alpine Cudweed**. 2n = 28.
Granitic alpine areas. [*Gnaphalium supinum* Linnaeus]

Omalotheca sylvatica (Linnaeus) Schultz-Bipontinus & F.W. Schultz - **Heath Cudweed**. 2n = 56.
Clearings, rocky slopes, woods borders. [*Gnaphalium sylvaticum* Linnaeus]







ONOCLEA (Family: Onocleaceae)

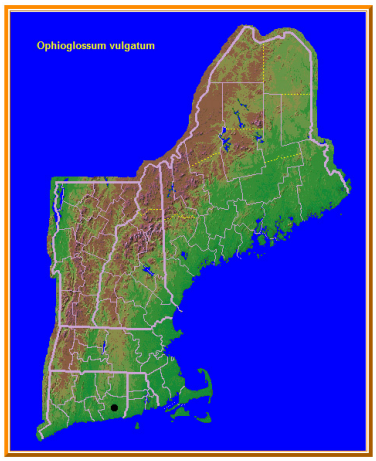
Onoclea sensibilis Linnaeus - **Sensitive Fern**. 2n = 74.
Swamps, low woods, alluvial thickets, meadows, in neutral to slightly acid soils. [*O. sensibilis* var. *obtusilobata* (Schkuhr) Torrey]

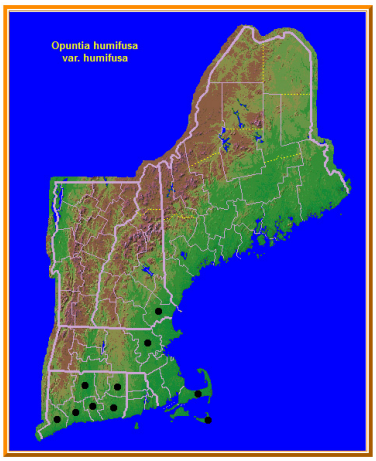
ONOPORDUM (Family: Asteraceae)

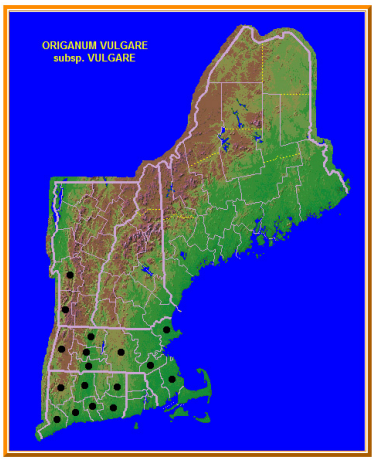
ONOPORDUM ACANTHIUM Linnaeus subsp. ***ACANTHIUM*** - **Cotton Thistle**. 2n = 34.
Waste places, roadsides, gravelly, sandy tidal shores. From Eurasia.

OPHIOGLOSSUM (Family: Ophioglossaceae)

Ophioglossum pusillum Rafinesque - **Northern Adder's Tongue**. 2n = 960.
Peaty or grassy swales, meadows, damp thickets, damp sands. [*O. vulgatum* Linnaeus var. *pseudopodum* (S.F. Blake) Farwell]







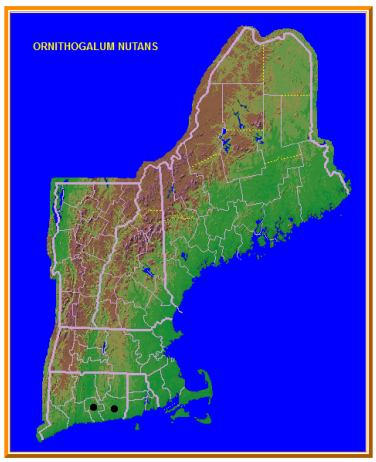
Ophioglossum vulgatum Linnaeus - **Southern Adder's Tongue**. 2n = 240, 480, ca. 486, ca. 540.
Rich wooded slopes, floodplain woods.

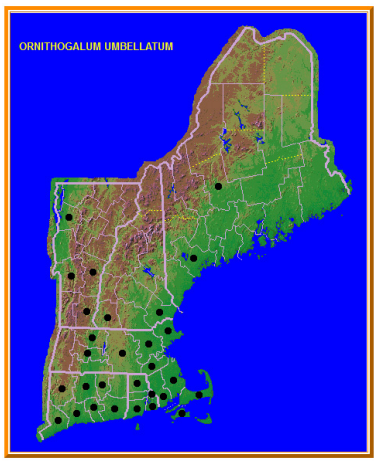
OPUNTIA (Family: Cactaceae)

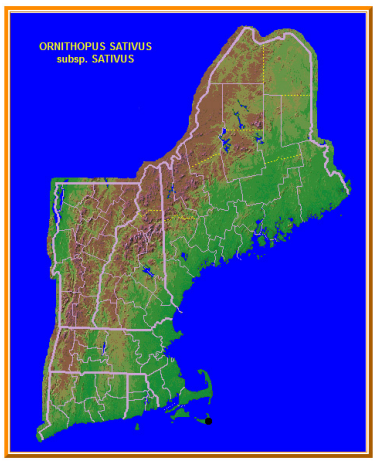
Opuntia humifusa (Rafinesque) Rafinesque var. ***humifusa*** - **Eastern Prickly-pear**. 2n = 22, 44.
Dry, exposed ledges and sandy fields.

ORIGANUM (Family: Lamiaceae)

ORIGANUM VULGARE Linnaeus subsp. ***VULGARE*** - **Wild Marjoram**. 2n = 30, 32.
Waste places, roadsides, railroads, fields, woodlands, brooksides, meadows. From Eurasia, northwestern Africa.







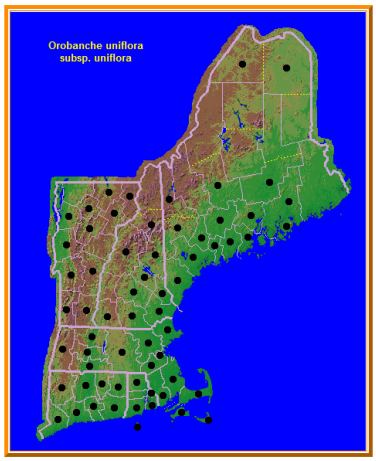
ORNITHOGALUM (Family: Asparagaceae)

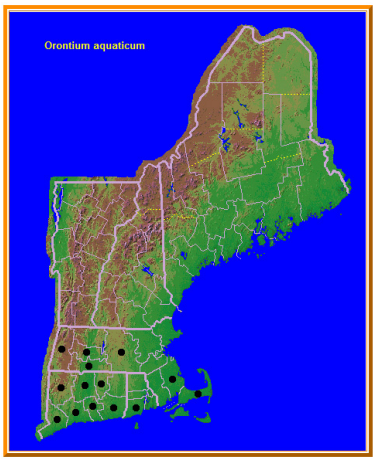
ORNITHOGALUM NUTANS Linnaeus - . 2n = 14, 18, 19, 35, 45.
Low meadows, fields. From western Asia.

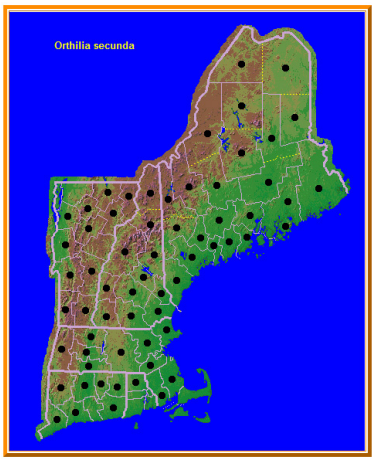
ORNITHOGALUM UMBELLATUM Linnaeus - **Star-of-Bethlehem**. 2n = 16, 18, 27, 36, 45, 52, 54, 72, 90.
Old house sites, roadsides, thickets, fields, meadows. From Europe.

ORNITHOPUS (Family: Fabaceae)

ORNITHOPUS SATIVUS Brotero subsp. ***SATIVUS*** - **Serradella**. 2n = 14.
Sandy, open, disturbed soil. From southwestern Europe, northern Africa.







OROBANCHE (Family: Orobanchaceae)

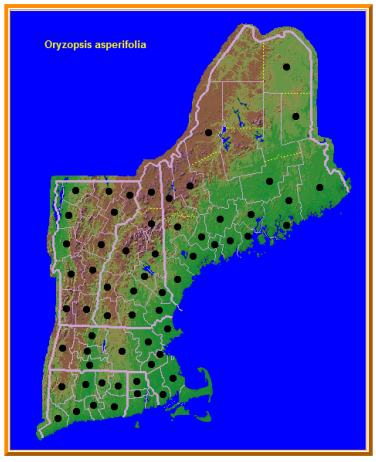
Orobanche uniflora Linnaeus subsp. ***uniflora*** - **One-flowered Cancer-root**. 2n = 18, 36, 48, 72.
Damp woods and thickets, streambanks, parasitic on roots of various plants.

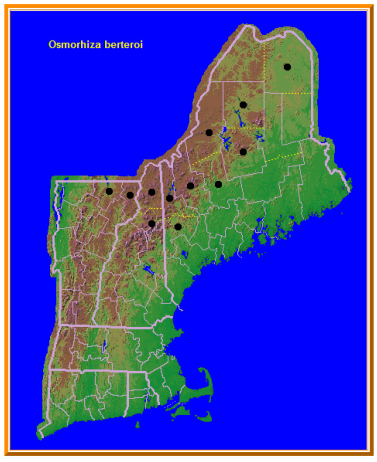
ORONTIUM (Family: Araceae)

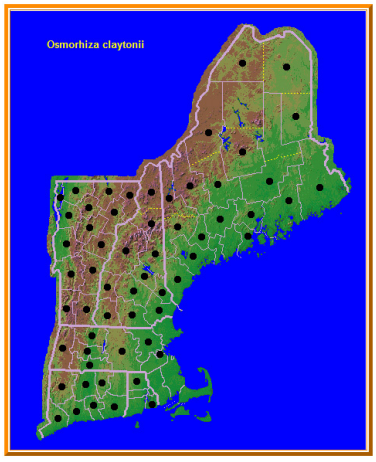
Orontium aquaticum Linnaeus - **Golden Club**. 2n = 26.
Shallow water of ponds, sandy, muddy or sphagnous shores.

ORTHILIA (Family: Ericaceae)

Orthilia secunda (Linnaeus) House - **One-sided Pyrola**. 2n = 38.
Rich woods. [*Pyrola secunda* Linnaeus; *P. secunda* var. *obtusata* Turczaninow]







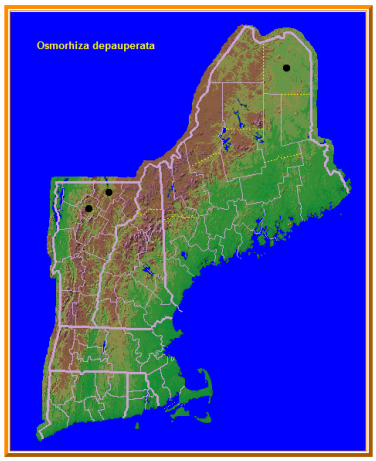
ORYZOPSIS (Family: Poaceae)

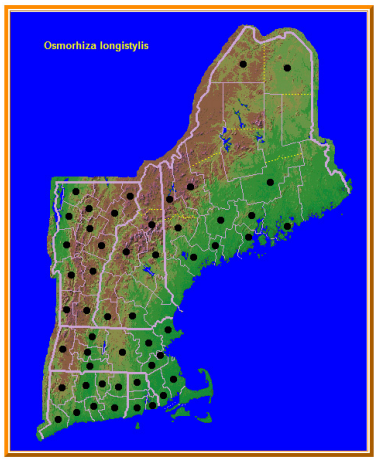
Oryzopsis asperifolia Michaux - . 2n = 46, 48.
Dry woods.

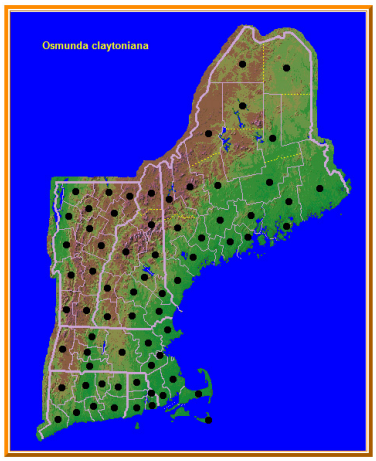
OSMORHIZA (Family: Apiaceae)

Osmorhiza berteroi de Candolle - **Mountain Sweet Cicely**. 2n = 22.
Rich woodlands. [*O. chilensis* Hooker & Arnott]

Osmorhiza claytonii (Michaux) C.B. Clarke - **Hairy Sweet Cicely**. 2n = 22.
Rich woodlands.





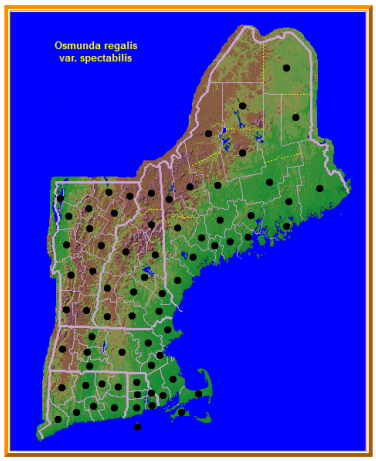


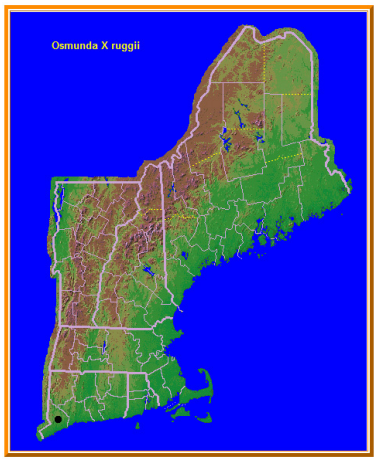
Osmorhiza depauperata Philippi - . 2n = 22.
Moist, deciduous woodlands. [*O. obtusa* (J.M. Coulter & Rose) Fernald]

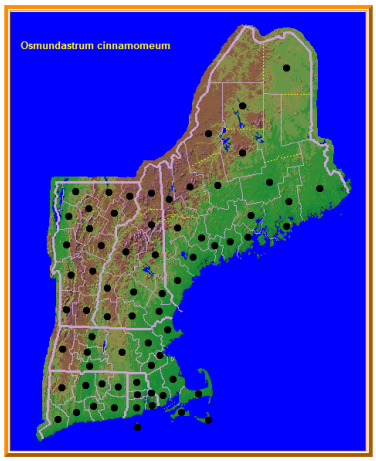
Osmorhiza longistylis (Torrey) de Candolle - **Anise-root**. 2n = 22.
Rich, moist woodlands. [*O. longistylis* var. *brachycoma* S.F. Blake; *O. longistylis* var. *villicaulis* Fernald]

OSMUNDA (Family: Osmundaceae)

Osmunda claytoniana Linnaeus - **Interrupted Fern**. 2n = 44.
Moist woods, margins of swamps, moist thickets, occasionally in the open, in acid or neutral soils.







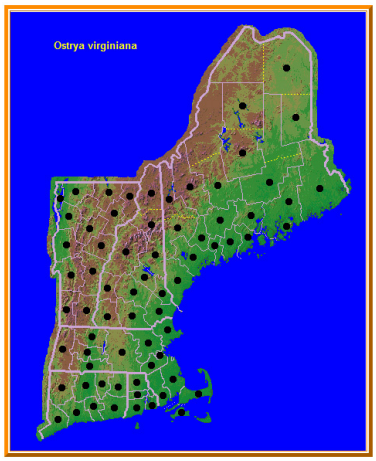
Osmunda regalis Linnaeus var. ***spectabilis*** (Willdenow) A. Gray - **Royal Fern**. 2n = 44.
Swamps, peaty thickets, shores, meadows, bogs, mostly in acid soils.

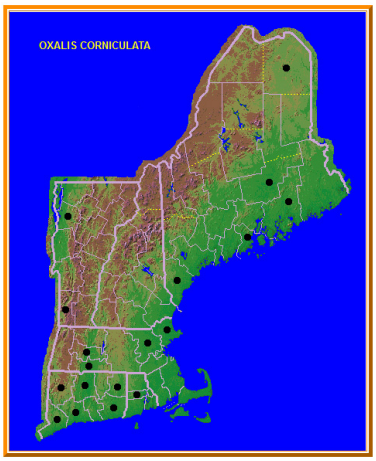
***Osmunda* hybrid**

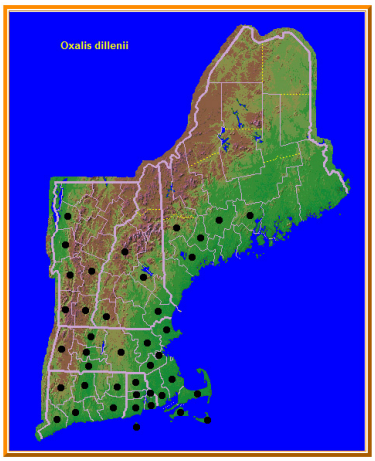
Osmunda X ***ruggii*** R.M. Tryon - .
[*O. claytoniana* Linnaeus X *O. regalis* Linnaeus var. *spectabilis* (Willdenow) A. Gray]

OSMUNDASTRUM (Family: Osmundaceae)

Osmundastrum cinnamomeum (Linnaeus) C. Presl - **Cinnamon Fern**. 2n = 44.
Swamps, damp thickets, stream banks, and other moist, shaded places in acid soils. [*Osmunda cinnamomea* Linnaeus; *O. cinnamomea* var. *glandulosa* Waters]







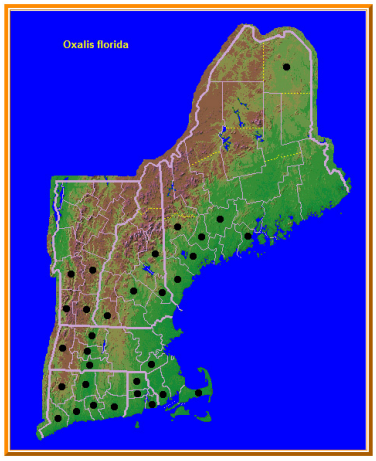
OSTRYA (Family: Betulaceae)

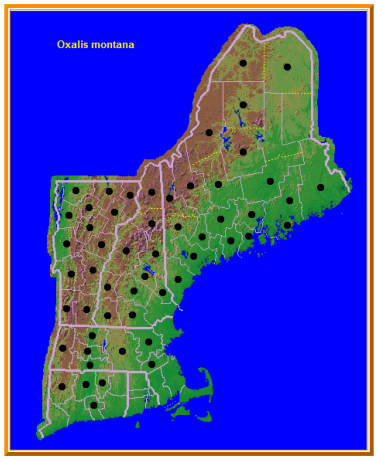
Ostrya virginiana (Miller) K. Koch - **American Hop-Hornbeam**. 2n = 16.
Rich, dry woods. [*O. virginiana* var. *lasia* Fernald]

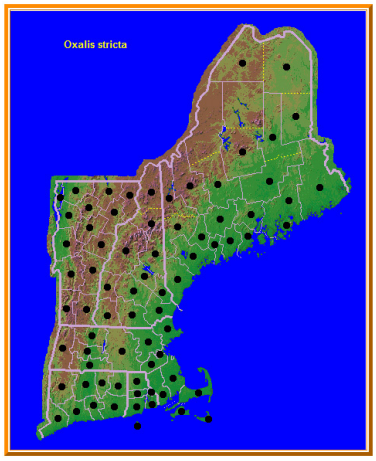
OXALIS (Family: Oxalidaceae)

OXALIS CORNICULATA Linnaeus - **Creeping Wood-Sorrel**. 2n = (12), (16), 24, (28), (32), 44, 48.
Waste places, roadsides, fields. From unknown origin.

Oxalis dillenii Jacquin - . 2n = 18, 20, 22, 24.
Dry fields, sandy thickets, woodland margins, roadsides, waste areas. [*O. stricta* misapplied]



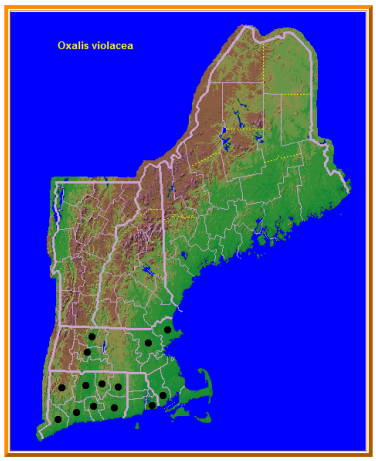


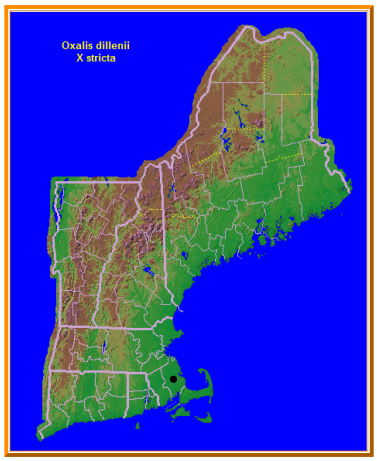


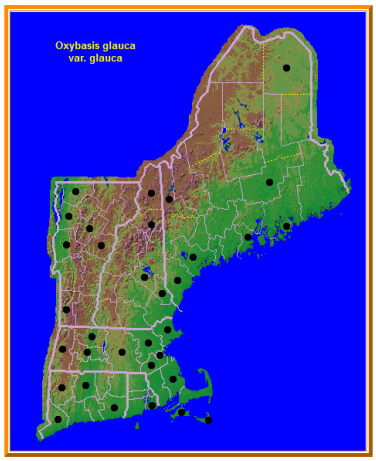
Oxalis florida Salisbury - . 2n = 16.
Fields, woodland margins, sandy thickets, roadsides, waste areas. [*O. filipes* Small]

Oxalis montana Rafinesque - **Mountain Wood-Sorrel**. 2n = 22.
Rich, damp woodlands. [*O. acetosella* misapplied]

Oxalis stricta Linnaeus - . 2n = 18, 24.
Waste places, roadsides, fields. [*O. europaea* Jordan var. *europaea*; *O. europaea* var. *bushii* (Small) Wiegand]







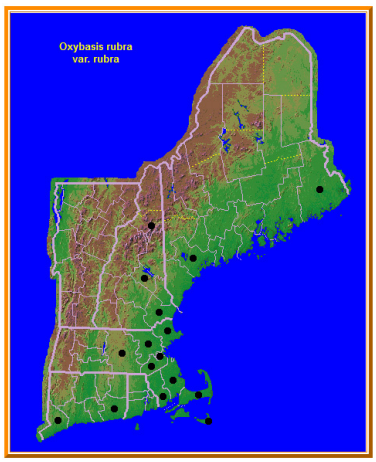
Oxalis violacea Linnaeus - **Violet Wood-Sorrel**. 2n = 28.
Rich, moist woodlands, rocky slopes. [*O. violacea* var. *trichophora* Fassett]

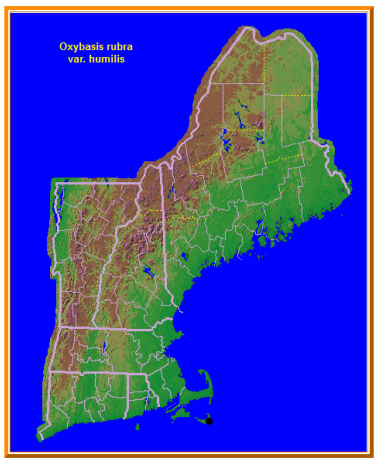
***Oxalis* hybrid**

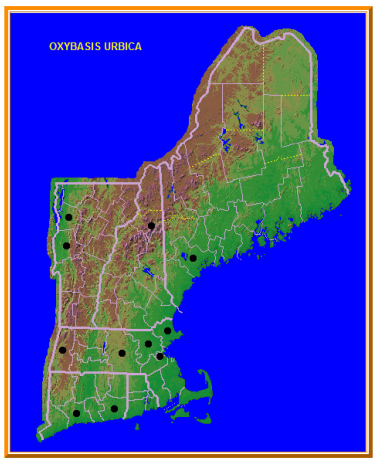
Oxalis dillenii Jacquin X ***O. stricta*** Linnaeus - .

OXYBASIS (Family: Amaranthaceae)

Oxybasis glauca (Linnaeus) S. Fuentes, Uotila & Borsch var. ***glauca*** - **Oak-leaved Goosefoot**. 2n = 18, (36).
Waste places, roadsides, railroads. [*Chenopodium glaucum* Linnaeus var. *glaucum*]



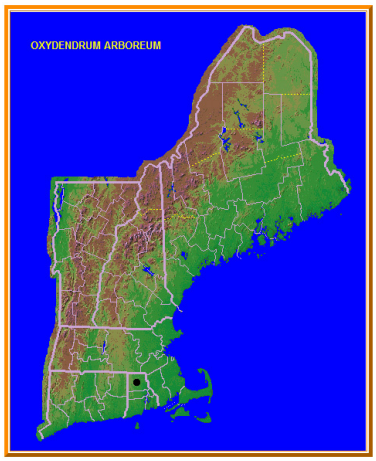


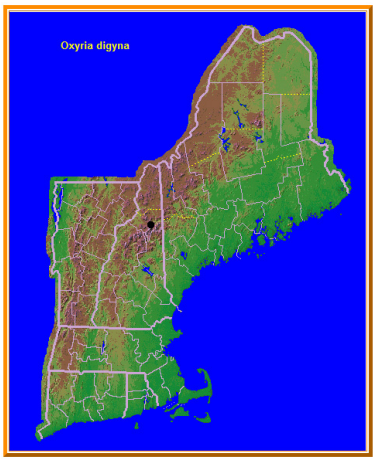


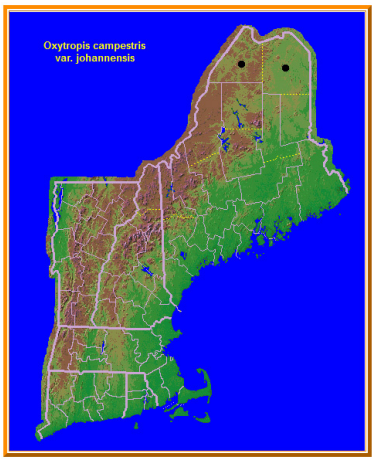
Oxybasis rubra (Linnaeus) S. Fuentes, Uotila & Borsch var. ***rubra*** - **Coast Blite**. 2n = (18), 36.
Salt marshes. [*Chenopodium rubrum* Linnaeus var. *rubrum*]

Oxybasis rubra (Linnaeus) S. Fuentes, Uotila & Borsch var. ***humilis*** (Hooker) Mosyakin - . 2n = 36.
Saline or brackish soil. [*Chenopodium humile* Hooker; *C. rubrum* Linnaeus var. *humile* (Hooker) S. Watson]

OXYBASIS URBICA (Linnaeus) S. Fuentes, Uotila & Borsch - **Upright Goosefoot**. 2n = 18, (36).
Waste places, wool waste. From Eurasia. [*CHENOPODIUM URBICUM* Linnaeus]







OXYDENDRON (Family: Ericaceae)

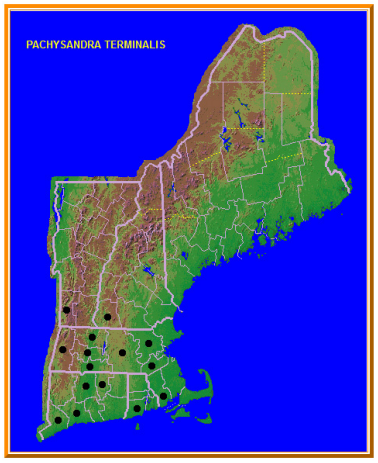
OXYDENDRUM ARBOREUM (Linnaeus) de Candolle - **Sourwood**. 2n = 24.
Woods. From farther south and west.

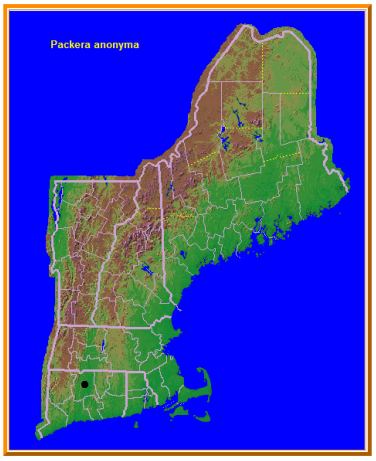
OXYRIA (Family: Polygonaceae)

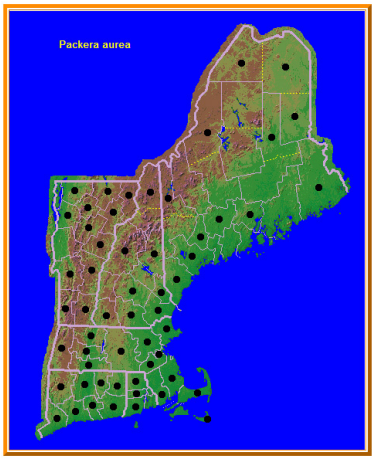
Oxyria digyna (Linnaeus) Hill - **Alpine Mountain-sorrel**. 2n = 14, 42.
Alpine areas.

OXYTROPIS (Family: Fabaceae)

Oxytropis campestris (Linnaeus) de Candolle var. ***johannensis*** Fernald - . 2n = 32, 48.
Rocky or gravelly river shores. [*O. johannensis* (Fernald) Fernald]







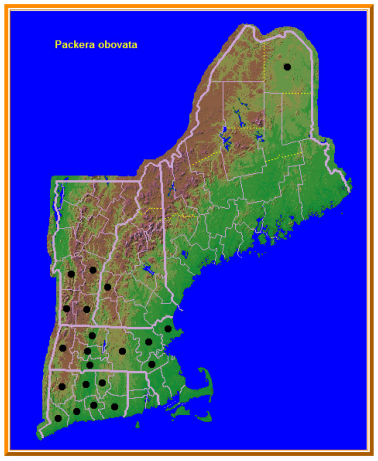
PACHYSANDRA (Family: Buxaceae)

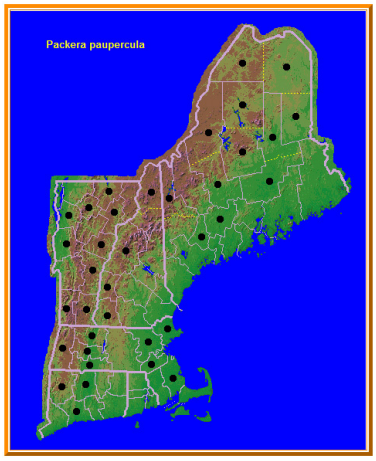
PACHYSANDRA TERMINALIS Siebold & Zuccarini - **Japanese Pachysandra**. 2n = 24, 48.
Roadsides, railroads, waste places, woodland margins, open woodlands. From eastern Asia.

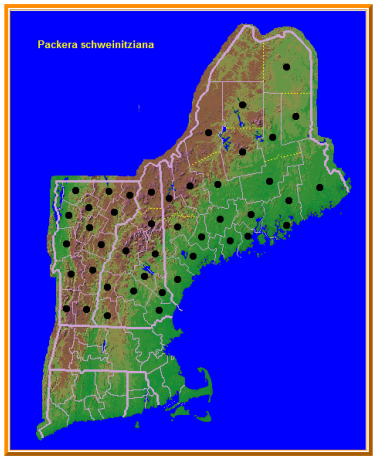
PACKERA (Family: Asteraceae)

Packera anonyma (Alph. Wood) W.A.; Weber & Á. Löve - **Small's Ragwort**. 2n = 44.
Upland woods. [*Senecio smallii* Britton]

Packera aurea (Linnaeus) Á. Löve & D. Löve - **Golden Ragwort**. 2n = 44, (46), (66), (132).
Swamps, low, wet woods, brooksides, springs, stream banks, meadows, moist roadsides. [*Senecio aureus* Linnaeus var. *aureus*; *S. aureus* var. *aquilonius* Fernald; *S. aureus* var. *gracilis* (Pursh) Hooker; *S. aureus* var. *intercursus* Fernald]



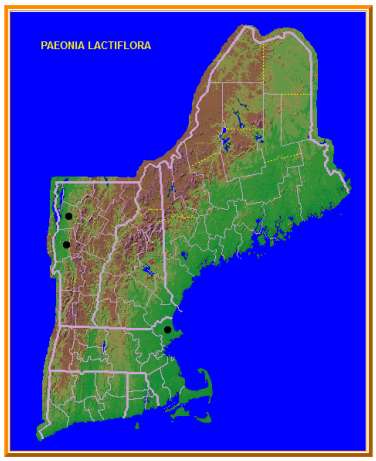


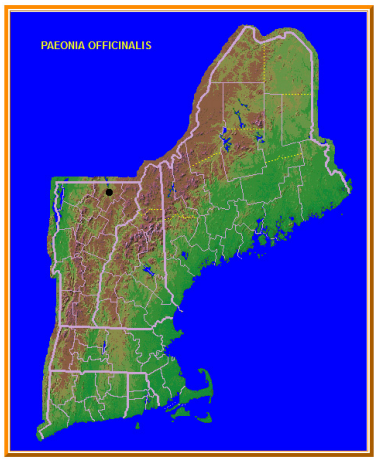


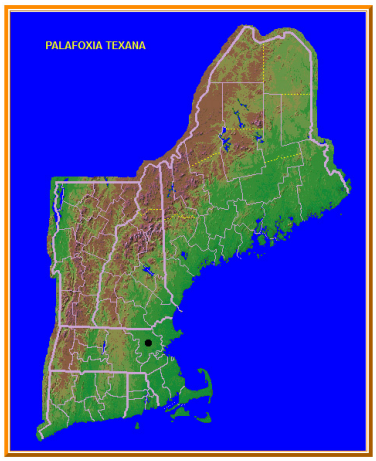
Packera obovata (Muhlenberg *ex* Willdenow) W.A. Weber & Á. Löve - . 2n = 44, (88), (90).
Fields, woods, stream banks, rocky slopes, in calcareous soil. [*Senecio obovatus* Muhlenberg *ex* Willdenow]

Packera paupercula (Michaux) Á. Löve & D. Löve - **Balsam Groundsel**. 2n = (40), 44, 46, (64), (88), (92).
Stream banks, rocky, open outcrops, slopes and woods. [*Senecio gaspensis* Greenman; *S. pauperculus* Michaux var. *pauperculus*; *S. pauperculus* var. *balsamitae* (Muhlenberg *ex* Willdenow) Fernald; *S. pauperculus* var. *praelongus* (Greenman) House]

Packera schweinitziana (Nuttall) W.A. Weber & Á. Löve - . 2n = 44, 46.
Meadows, shores, swamps, thickets, fields, roadside ditches. [*Senecio robbinsii* Oakes *ex* Rusby]







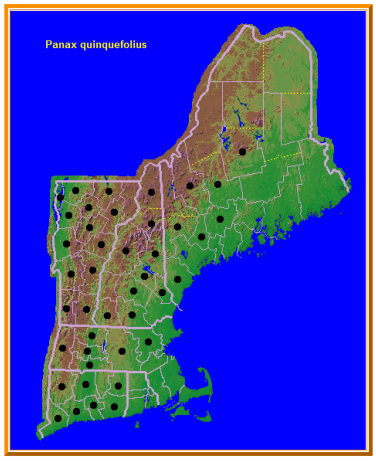
PAEONIA (Family: Paeoniaceae)

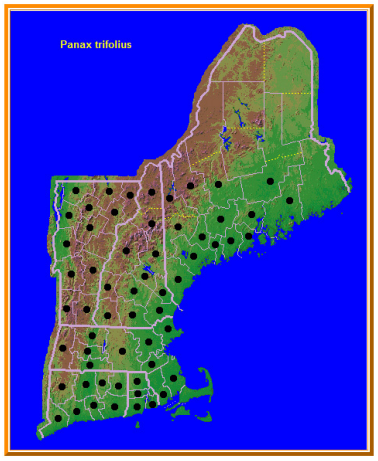
PAEONIA LACTIFLORA Pallas - **Chinese Peony**. 2n = 10.
Waste places, old house sites. From eastern Asia.

PAEONIA OFFICINALIS Linnaeus - **Garden Peony**. 2n = 20.
Old fields and orchards. From Europe.

PALAFOXIA (Family: Asteraceae)

PALAFOXIA TEXANA de Candolle - . 2n = (20), 22.
Riverbanks. From farther south.





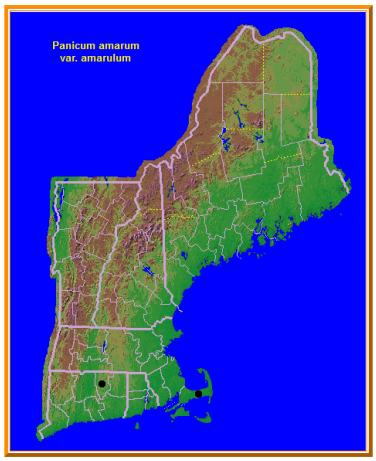
PANAX (Family: Araliaceae)

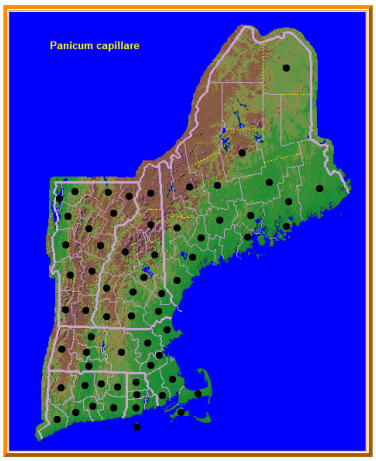
Panax quinquefolius Linnaeus - **Ginseng**. 2n = (44), 48.
Rich woodlands.

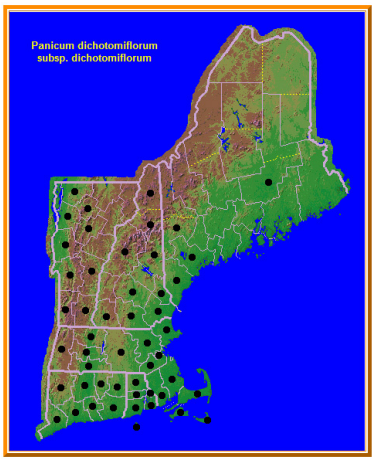
Panax trifolius Linnaeus - **Dwarf Ginseng**. 2n = 24.
Rich, moist woodlands.

PANICUM (Family: Poaceae)

Panicum amarum Elliott var. ***amarum*** - . 2n = 36.
Sandy coasts.



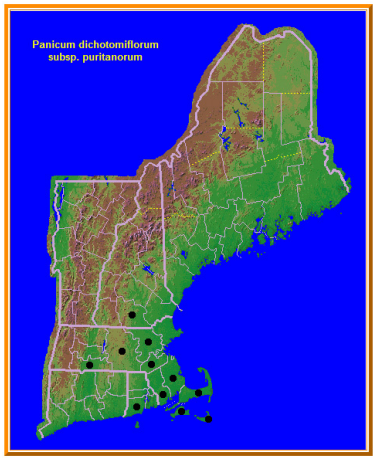


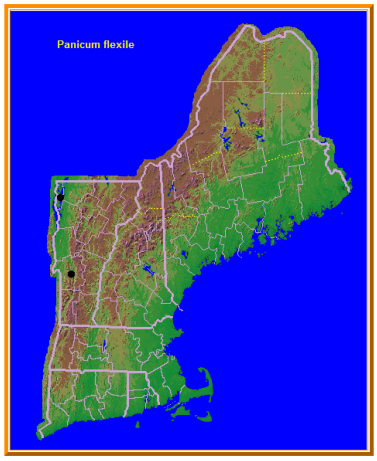


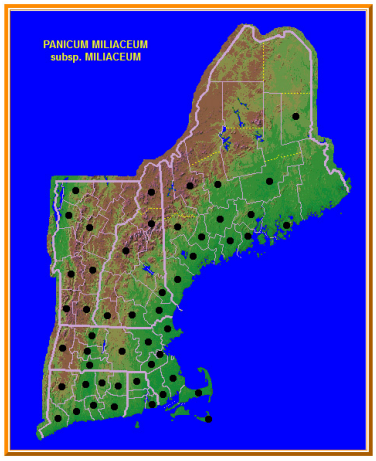
Panicum amarum var. ***amarulum*** (Hitchcock & Chase) P. Palmer - . 2n = ?
Sea beaches. [*P. amarulum* Hitchcock & Chase]

Panicum capillare Linnaeus - **Witchgrass**. 2n = 18.
Open sandy or stony soil, roadsides, waste places. [*P. capillare* var. *agreste* Gattinger; *P. capillare* var. *occidentale* Rydberg]

Panicum dichotomiflorum Michaux subsp. ***dichotomiflorum*** - **Fall Panicum**. 2n = (36), 54.
Moist soil, shores, roadsides, railroads, waste areas. [*P. dichotomiflorum* var. *geniculatum* (Alph. Wood) Fernald]



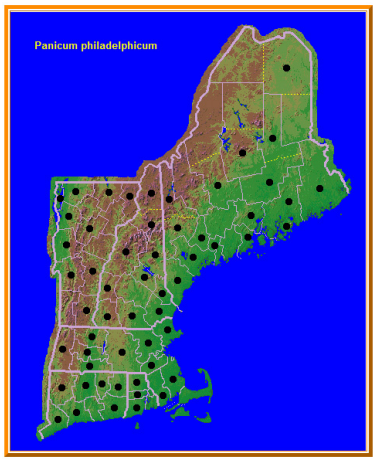


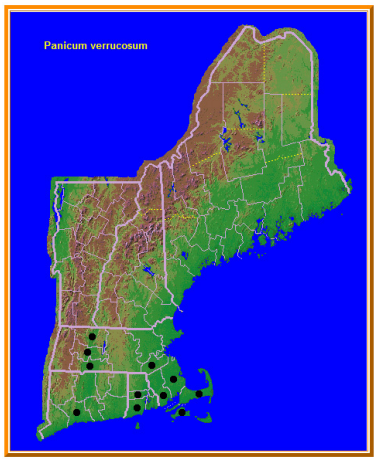


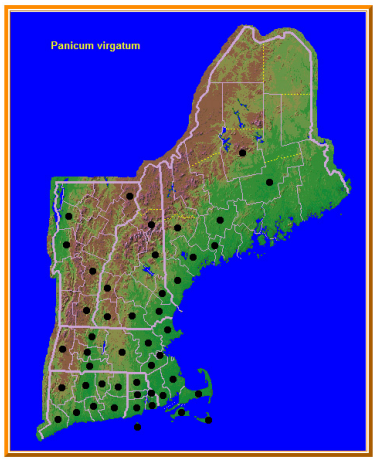
Panicum dichotomiflorum Michaux subsp. ***puritanorum*** (Svenson) Freckmann & Lelong - . 2n = ?
Damp sands, pond margins.

Panicum flexile (Gattinger) Scribner - . 2n = 18.
Shores in calcareous areas.

PANICUM MILIACEUM Linnaeus subsp. ***MILIACEUM*** - **Broom-corn Millet**. 2n = 36, (40), (49), (54), (72).
Roadsides, waste places. From the Old World.



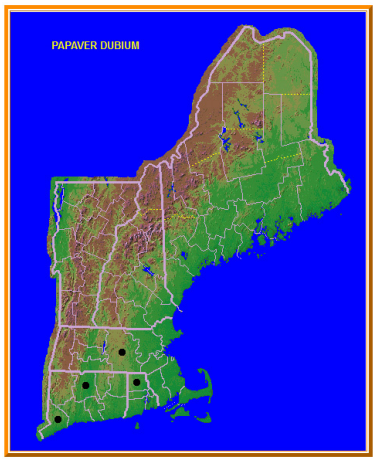


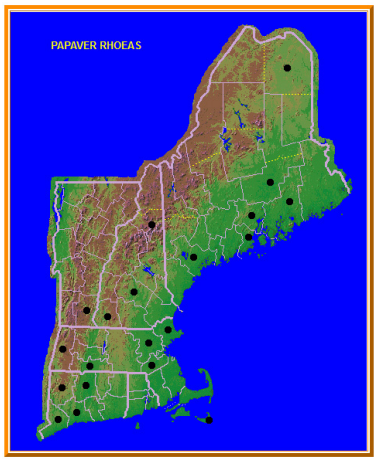


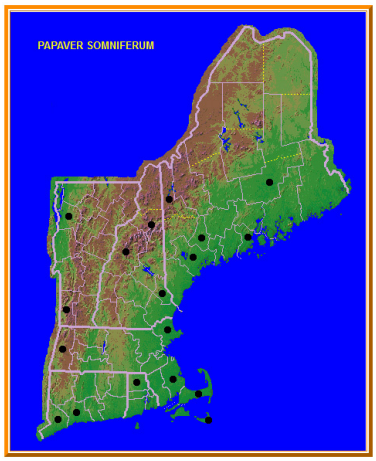
Panicum philadelphicum Bernhardi *ex* Trinius - . 2n = 18.
Shores, woodlands and borders, roadsides, sandy areas, fields. [*P. capillare* Linnaeus var. *campestre* Gattinger; *P. gattingeri* Nash; *P. tuckermanii* Fernald]

Panicum verrucosum Muhlenberg - . 2n = 36.
Moist soil, shores.

Panicum virgatum Linnaeus - **Switchgrass**. 2n = (18), 36, (54), (72), (90).
Dry soil, sandy or gravelly shores, fields. [*P. virgatum* var. *cubense* Grisebach; *P. virgatum* var. *spissum* Linder]





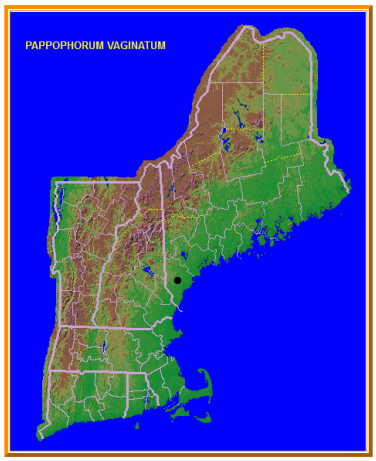


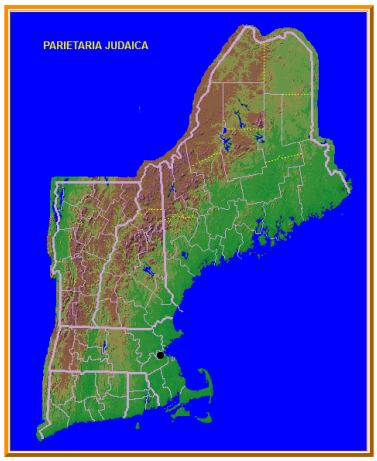
PAPAVER (Family: Papaveraceae)

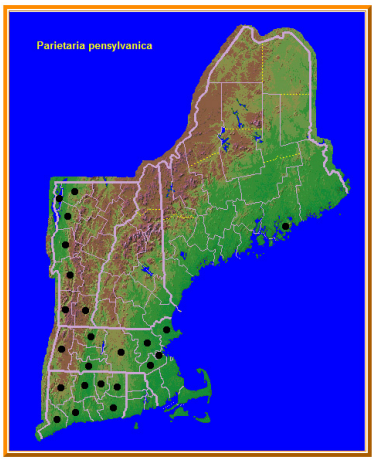
PAPAVER DUBIUM Linnaeus - **Blindeyes**. 2n = (14), (22), 28, 42, (56).
Fields, waste places. From Europe.

PAPAVER RHOEAS Linnaeus - **Corn Poppy**. 2n = 14, (16), (28), (42).
Waste places, fields. From eastern Mediterranean.

PAPAVER SOMNIFERUM Linnaeus - **Opium Poppy**. 2n = (18), (20), 22, (23), (25), (32), (36), (44).
Waste places, roadsides, fields. From the Mediterranean.







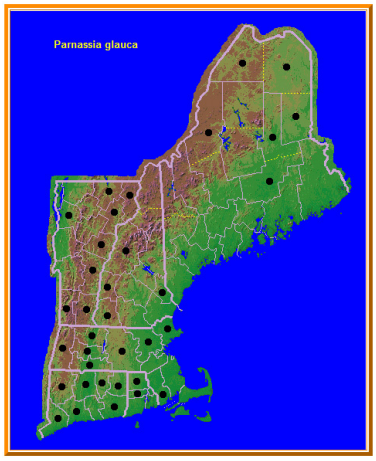
PAPPOPHORUM (Family: Poaceae)

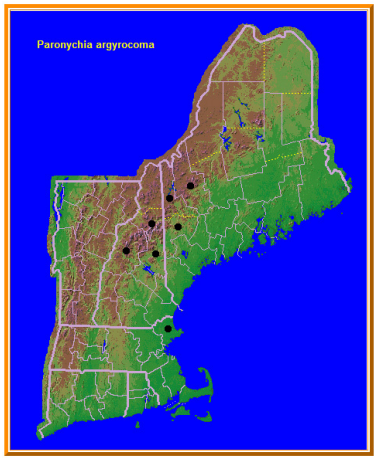
PAPPOPHORUM VAGINATUM Buckley - . 2n = 60.
Wool waste. From farther south and west. [*P. MUCRONULATUM* misapplied]

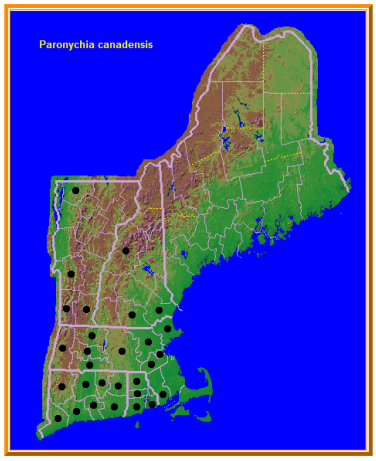
PARIETARIA (Family: Urticaceae)

PARIETARIA JUDAICA Linnaeus - **Spreading Pellitory**. 2n = 26.
Cracks in sidewalks, ballast piles, waste heaps; usually around seaports. From the Mediterranean.

Parietaria pensylvanica Muhlenberg *ex* Willdenow - **Pennsylvania Pellitory**. 2n = 14, 16.
Rich, rocky, calcareous woods, waste places.







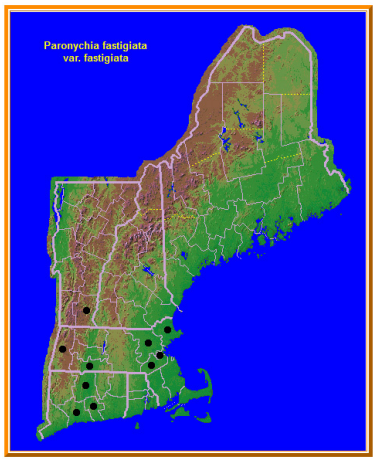
PARNASSIA (Family: Celastraceae)

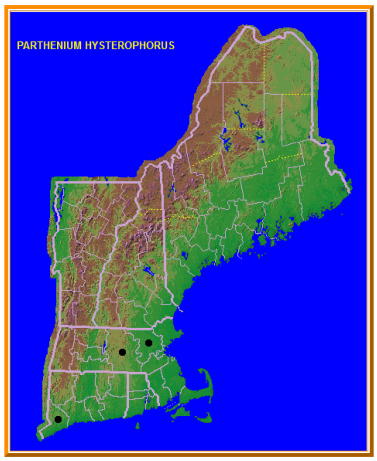
Parnassia glauca Rafinesque - . 2n = 36.
Streambanks, boggy spots, fens, meadows, in wet, calcareous soil.

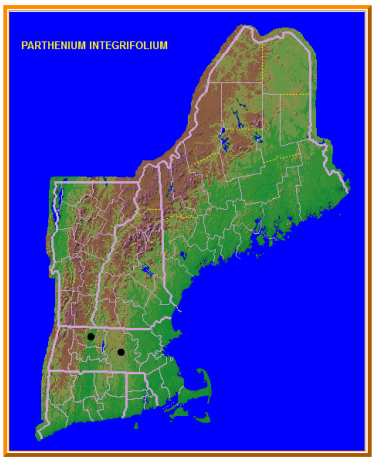
PARONYCHIA (Family: Caryophyllaceae)

Paronychia argyrocoma (Michaux) Nuttall - **Silverling**. 2n = ?
Bare, granitic, mountain slopes, ledges. [*P. argyrocoma* var. *albimontana* Fernald]

Paronychia canadensis (Linnaeus) Alph. Wood - **Smooth Forked Chickweed**. 2n = ?
Rich, rocky woods, sandy clearings, waste places.





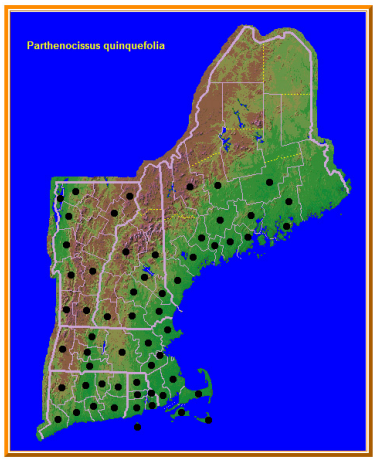


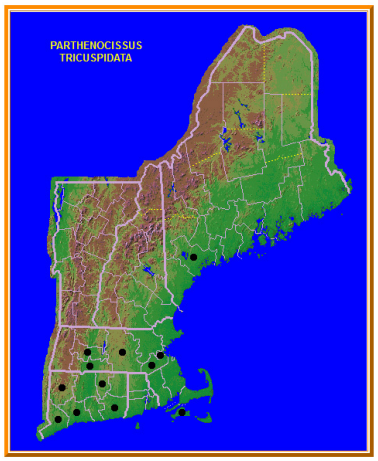
Paronychia fastigiata (Rafinesque) Fernald var. ***fastigiata*** - **Hairy Forked Chickweed**. 2n = 32, 36.
Dry woods, rocky or sandy openings, waste places.

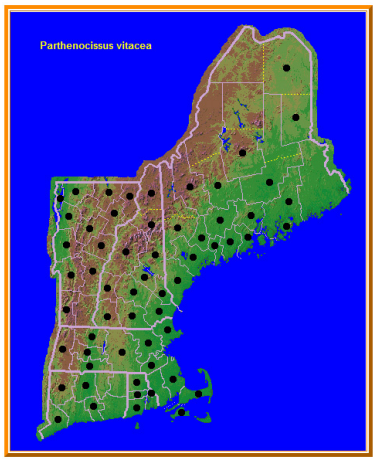
PARTHENIUM (Family: Asteraceae)

PARTHENIUM HYSTEROPHORUS Linnaeus - **Santa Maria**. 2n = 34, (36).
Waste places. From Mexico, Central America, Caribbean, South America.

PARTHENIUM INTEGRIFOLIUM Linnaeus - **Wild Quinine**. 2n = 72.
Waste places. From Mexico, Central America, Caribbean, South America.





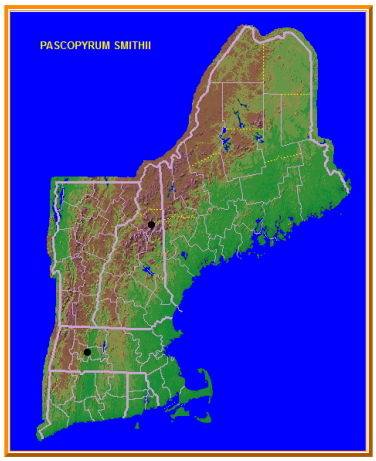


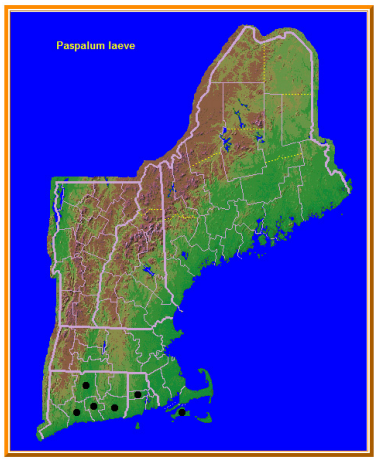
PARTHENOCISSUS (Family: Vitaceae)

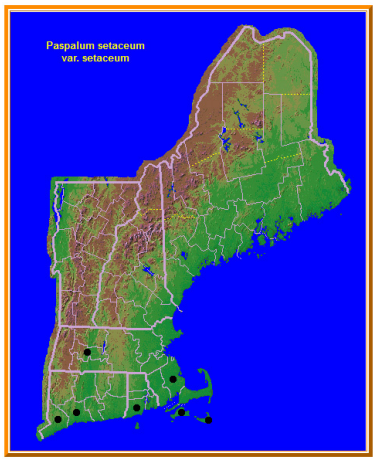
Parthenocissus quinquefolia (Linnaeus) Planchon - **Virginia-creeper**. 2n = 40.
Thickets, roadsides, woodlands, rocky banks, stone walls, fences. [*P. quinquefolia* var. *hirsuta* (Pursh) Planchon; *P. inserta* (A. Kerner) Fritsch]

PARTHENOCISSUS TRICUSPIDATA (Siebold & Zuccarini) Planchon - **Boston Ivy**. 2n = 40.
Roadsides, fields, woodland margins, old walls. From eastern Asia.

Parthenocissus vitacea (Knerr) Hitchcock - **Thicket-creeper**. 2n = 40.
Thickets, streambanks roadsides, woodlands, rocky banks. [*P. inserta* misapplied]







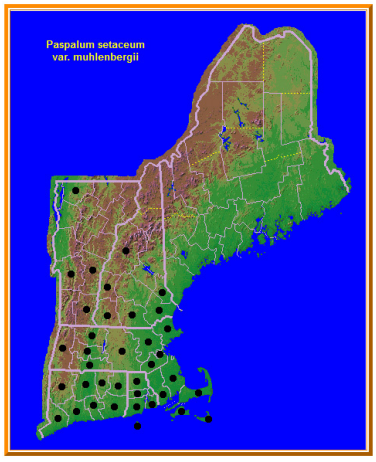
PASCOPYRUM (Family: Poaceae)

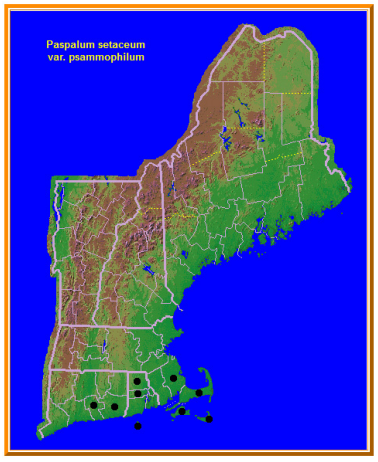
PASCOPYRUM SMITHII (Rydberg) Barkworth & D.R. Dewey - **Western Wheatgrass**. 2n = (28), (42), 56.
Railroads. From farther west. [*AGROPYRON SMITHII* Rydberg; *ELYTRIGIA SMITHII* (Rydberg) Nevski]

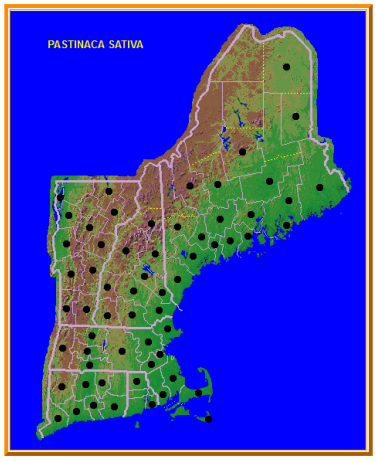
PASPALUM (Family: Poaceae)

Paspalum laeve Michaux - . 2n = 40, 70, 58.
Meadows, shores, damp, sandy fields. [*P. laeve* var. *circulare* (Nash) W. Stone *ex* Fernald; *P. laeve* var. *pilosum* Scribner; *P. circulare* Nash; *P. longipilum* Nash]

Paspalum setaceum Michaux var. ***setaceum*** - . 2n = 40.
Sandy fields.





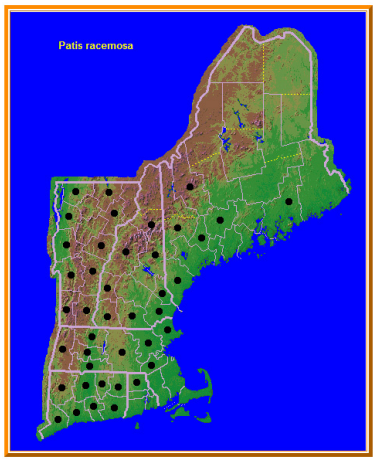


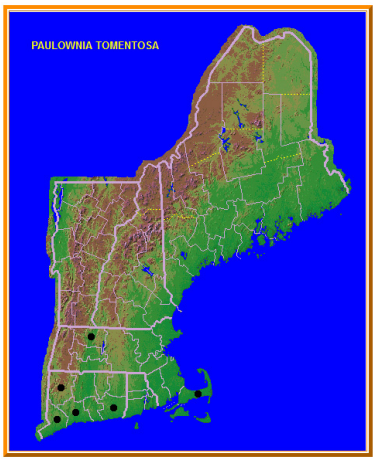
Paspalum setaceum Michaux var. ***muhlenbergii*** (Nash) D.J. Banks - . 2n = 20, 40.
Dry fields, pastures. [*P. ciliatifolium* Michaux var. *muhlenbergii* (Nash) Fernald; *P. pubescens* Muhlenberg]

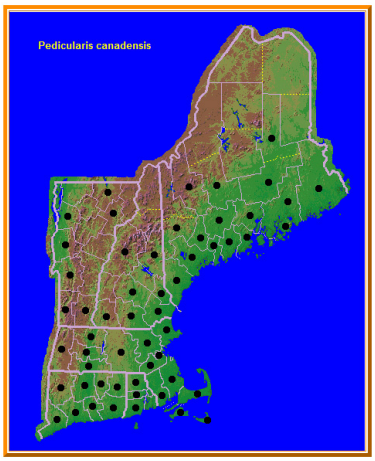
Paspalum setaceum Michaux var. ***psammophilum*** (Nash *ex* Hitchcock) D.J. Banks - . 2n = 40, 60.
Dry, sandy fields near the coast. [*P. psammophilum* Nash *ex* Hitchcock]

PASTINACA (Family: Apiaceae)

PASTINACA SATIVA Linnaeus - **Parsnip**. 2n = 22.
Roadsides, waste places, fields. From Eurasia.







PATIS (Family: Poaceae)

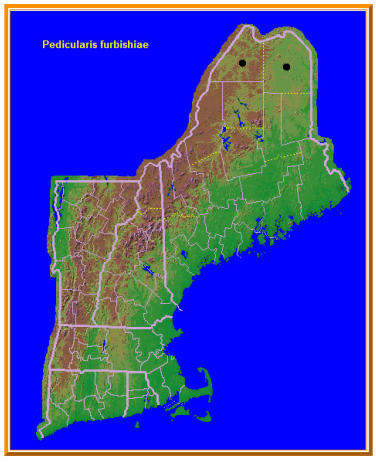
Patis racemosa (Smith) Romaschenko, P.M. Peterson & Soreng - **Black Mountain-rice**. 2n = 46.
Dry, often calcareous, rocky woods. [*Oryzopsis racemosa* (Smith) Ricker *ex* Hitchcock; *Piptatherum racemosum* (Smith) Eaton]

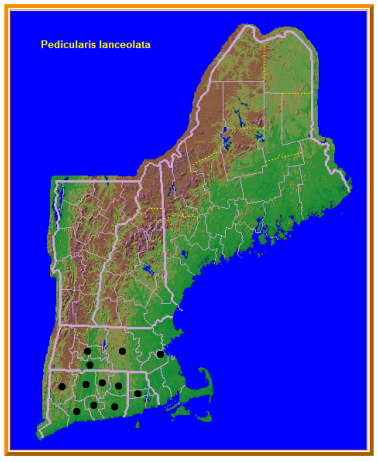
PAULOWNIA (Family: Paulowniaceae)

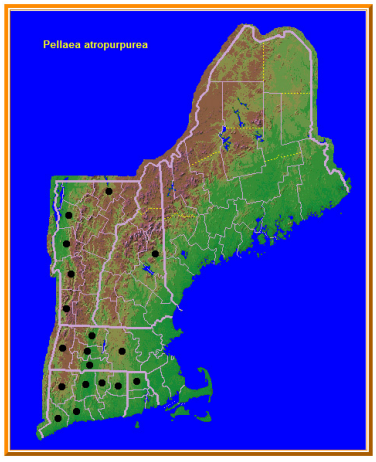
PAULOWNIA TOMENTOSA (Thunberg) Steudel - **Princess-tree**. 2n = (34), 40.
Waste places, roadsides, woodland margins. From China.

PEDICULARIS (Family: Orobanchaceae)

Pedicularis canadensis Linnaeus - **Wood Betony**. 2n = 16.
Woods, clearings, fields, meadows, roadsides, rocky shores. [*P. canadensis* var. *dobbsii* Fernald]





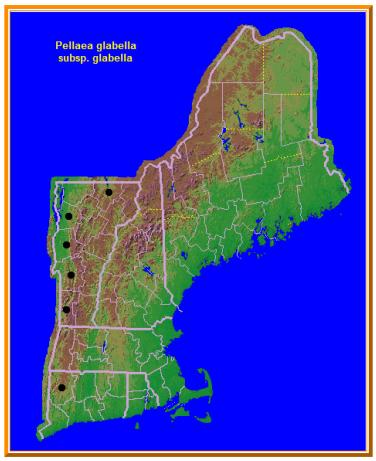


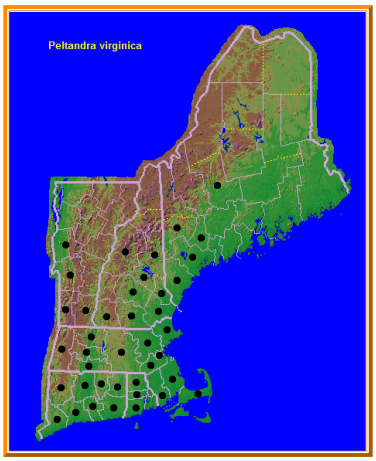
Pedicularis furbishiae S. Watson - **Furbish's Lousewort**. . 2n = ?
Along rivers.

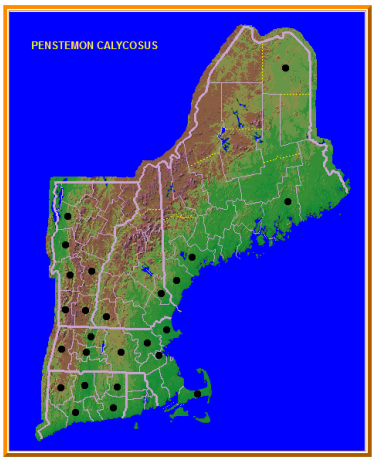
Pedicularis lanceolata Michaux - **Swamp Lousewort**. 2n = 16.
Wet woods, swamps, meadows, shores and other wet ground.

PELLAEA (Family: Pteridaceae)

Pellaea atropurpurea (Linnaeus) Link - **Purple Cliff-brake**. 2n = 87, (174).
Dry, exposed, calcareous rocks (occasionally on crumbling mortar), trap rock.







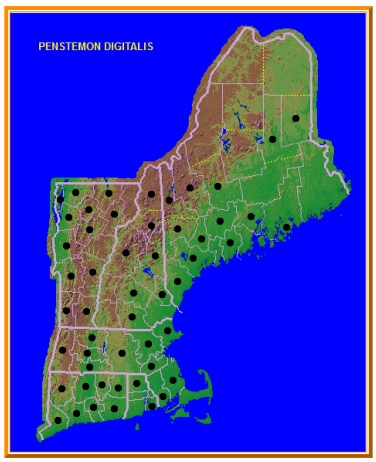
Pellaea glabella Mettenius *ex* Kuhn subsp. ***glabella*** - **Smooth Cliff-brake**. 2n = (58), 116.
Dry, calcareous rocks and cliffs.

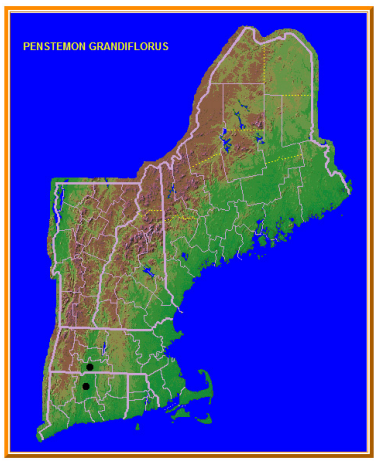
PELTANDRA (Family: Araceae)

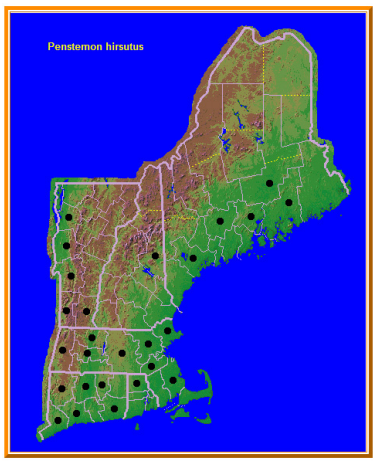
Peltandra virginica (Linnaeus) Rafinesque *ex* Schott - **Arrow Arum**. 2n = 88, 112.
Shallow water or mud at margins of ponds and streams, swamps, bogs, damp meadows.

PENSTEMON (Family: Plantaginaceae)

PENSTEMON CALYCOSUS Small - . 2n = 96.
Sandy soil in the open, fields, roadsides. From farther south and west.



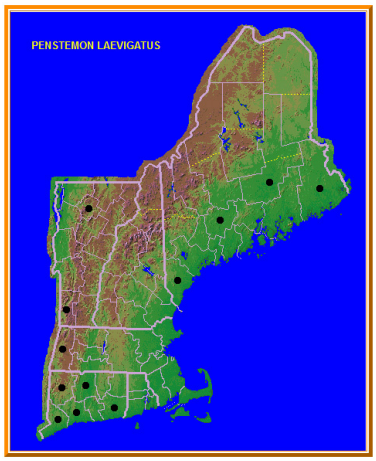


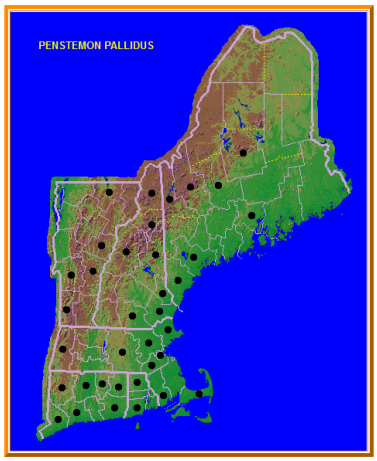


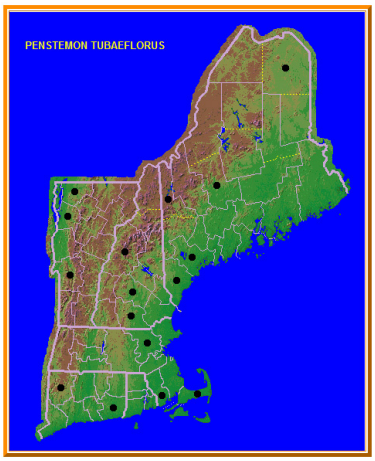
PENSTEMON DIGITALIS Nuttall *ex* Sims - . 2n = 96.
Moist banks and fields, meadows, clearings, roadsides. From farther south and west.

PENSTEMON GRANDIFLORUS Nuttall - . 2n = 16.
Fields, waste places. From farther west.

Penstemon hirsutus (Linnaeus) Willdenow - . 2n = 16.
Dry fields, woods and hillsides, often in rocky soil.



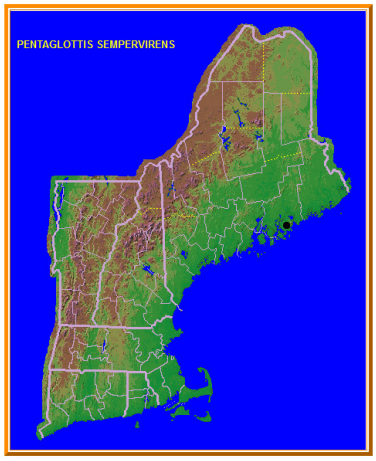


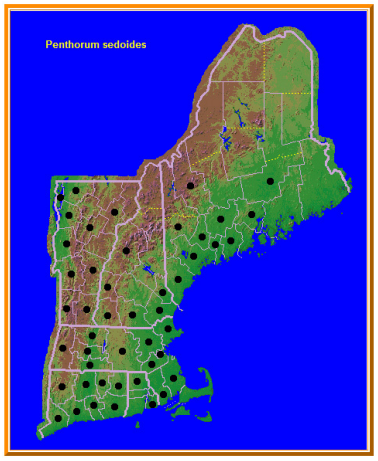


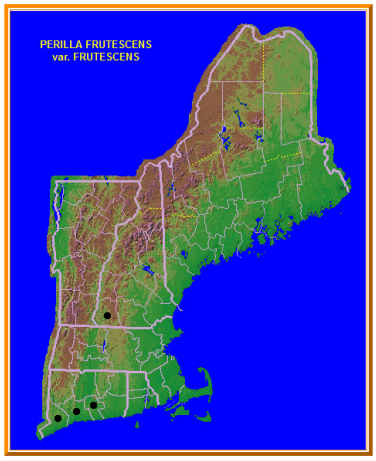
PENSTEMON LAEVIGATUS Aiton - . 2n = 96.
Fields, woods, meadows, rocky shores, sandy banks, roadsides. From farther south.

PENSTEMON PALLIDUS Small - . 2n = 16.
Sandy fields, banks, usually dry, woodland clearings, roadsides. From farther west and south.

PENSTEMON TUBAEFLORUS Nuttall - . 2n = 32.
Meadows, fields, open woods, roadsides. From farther west and south. [*P. TUBAEFLORUS* var. *ACHOREUS* Fernald]







PENTAGLOTTIS (Family: Boraginaceae)

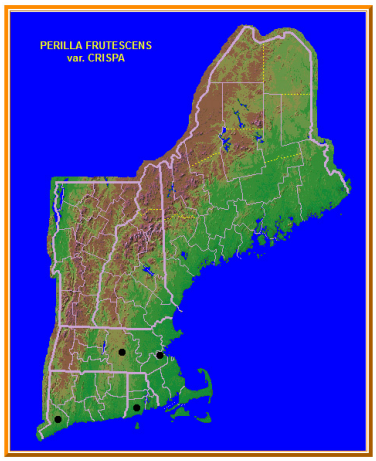
PENTAGLOTTIS SEMPERVIRENS (Linnaeus) Tausch *ex* L.H. Bailey - **Green Alkanet**. 2n = (16), 22.
Copse near beach. From southwestern Europe.

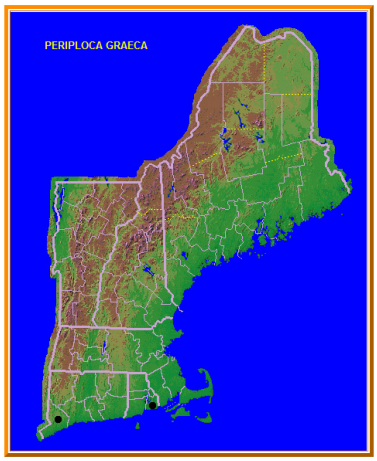
PENTHORUM (Family: Penthoraceae)

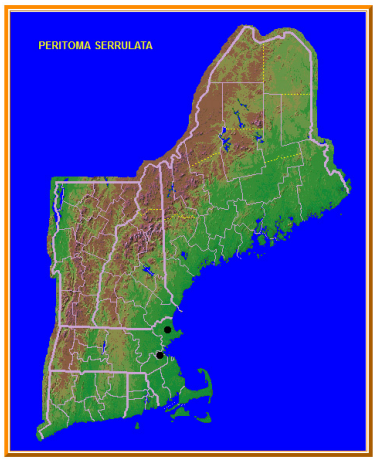
Penthorum sedoides Linnaeus - **Ditch-stonecrop**. 2n = 16, 18.
Wet, low, open ground, shores, marshes, streambanks.

PERILLA (Family: Lamiaceae)

PERILLA FRUTESCENS (Linnaeus) Britton var. ***FRUTESCENS*** - . 2n = (28), (38), 40.
Waste places, roadsides, fields. From southern and eastern Asia. [*P. OCYMOIDES* Linnaeus]







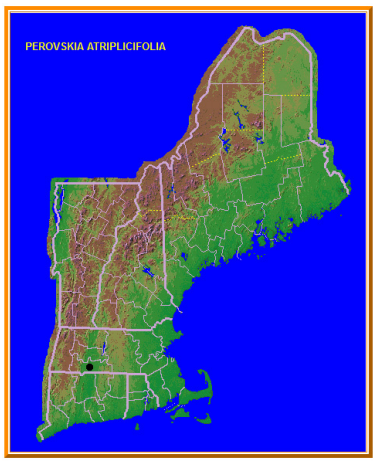
PERILLA FRUTESCENS (Linnaeus) Britton var. ***CRISPA*** (Bentham) W. Deane - . 2n = 40.
Waste places, roadsides. Known only from cultivation.

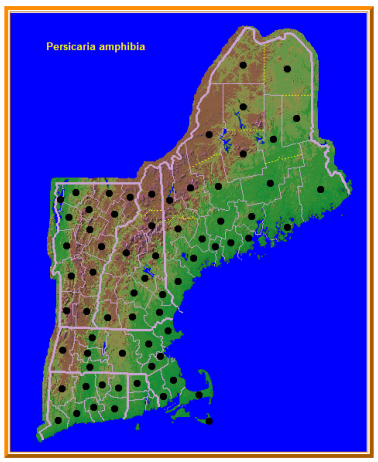
PERIPLOCA (Family: Apocynaceae)

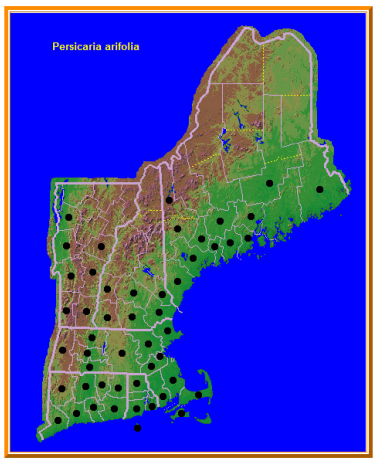
PERIPLOCA GRAECA Linnaeus - **Silk-vine**. 2n = 22, 24.
Roadsides, upper part of rocky beach. From Eurasia.

PERITOMA (Family: Cleomaceae)

PERITOMA SERRULATA (Pursh) de Candolle - **Rocky Mountain Beeplant**. 2n = 32, 34, 60.
Waste places. From farther west. [*CLEOME SERRULATA* Pursh]







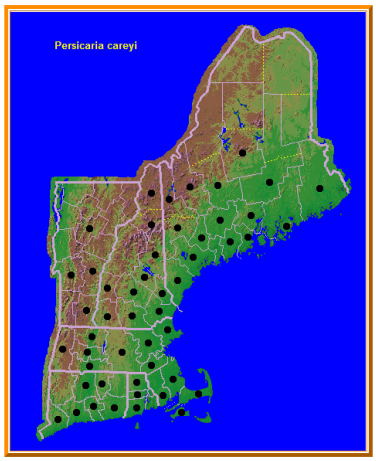
PEROVSKIA (Family: Lamiaceae)

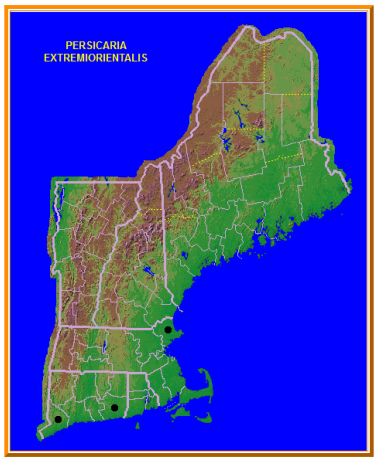
PEROVSKIA ATRIPLICIFOLIA Bentham - . 2n = 20.
Roadsides. From Asia.

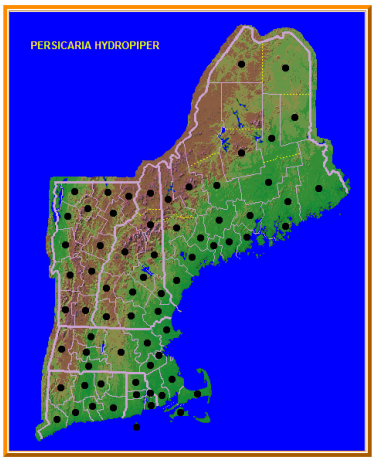
PERSICARIA (Family: Polygonaceae)

Persicaria amphibia (Linnaeus) Delarbre - **Water Smartweed**. 2n = (22), 66, 88, (96), (132).
Shores, shallow waters of streams and ponds. [*Polygonum amphibium* Linnaeus var. *amphibium*; *P. amphibium* var. *emersum* Michaux; *P. amphibium* var. *stipulaceum* N. Coleman; *P. coccineum* Muhlenberg *ex* Willdenow]

Persicaria arifolia (Linnaeus) Haraldson - **Halberd-leaved Tearthumb**. 2n = ?
Swamps, meadows, wet places. [*Polygonum arifolium* Linnaeus; *P. arifolium* var. *pubescens* (R. Keller) Fernald]



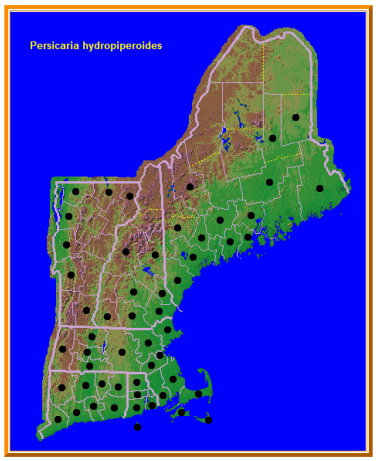


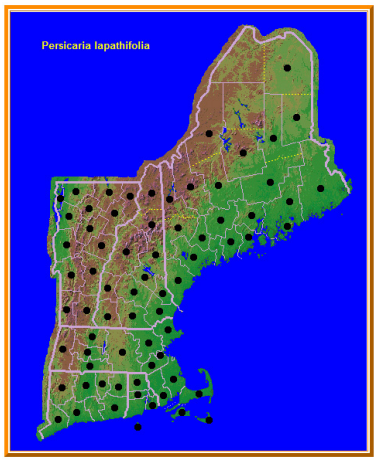


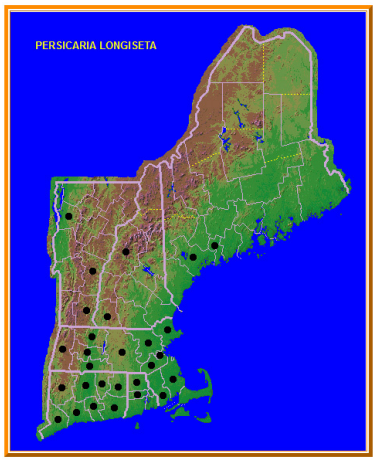
Persicaria careyi (Olney) Greene - . 2n = ?
Roadsides, clearings, low thickets, swamps. [*Polygonum careyi* Olney]

PERSICARIA EXTREMIORIENTALIS (Voroschilov) Tzvelev - . 2n = ?
Roadsides, waste places. From China, Korea, Japan.

PERSICARIA HYDROPIPER (Linnaeus) Delarbre - **Common Smartweed**. 2n = (18), 20, (22), (24).
Moist or wet soils, especially in weedy places. From Europe. [*POLYGONUM HYDROPIPER* Linnaeus]



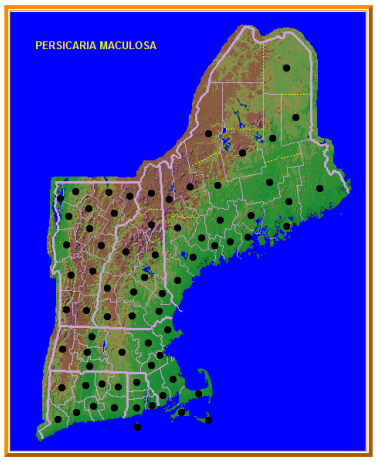


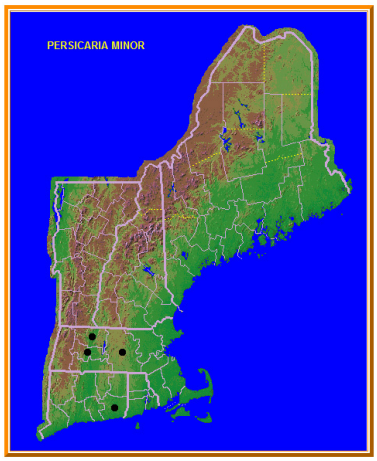


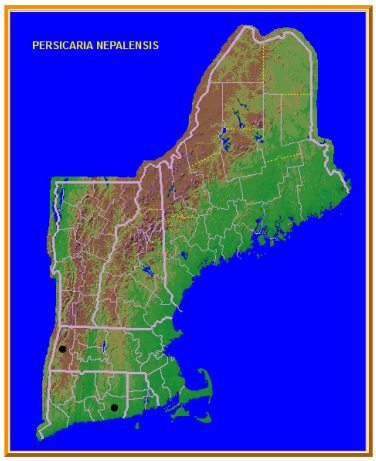
Persicaria hydropiperoides (Michaux) Small - **Swamp Smartweed**. 2n = ?
Shallow water, shores, marshes, swamps, swales. [*Polygonum hydropiperoides* Michaux; *P. opelousanum* Riddell *ex* Small var. *opelousanum*; *P. opelousanum* var. *adenocalyx* Stanford]

Persicaria lapathifolia (Linnaeus) Delarbre - **Pale Smartweed**. 2n = 22, (24), (44).
Swampy thickets, shores, damp clearings, ditches, fields, roadsides, waste places. [*Polygonum lapathifolium* Linnaeus var. *lapathifolium*; *P. lapathifolium* var. *prostratum* Wimmer; *P. lapathifolium* var. *salicifolium* Sibthorp; *P. scabrum* Moench]

PERSICARIA LONGISETA (Bruijn) Kitagawa - **Creeping Smartweed**. 2n = 40.
Moist roadsides, waste places, shores. From eastern Asia. [*POLYGONUM CAESPITOSUM* Blume var. *LONGISETUM* (Bruijn) Steward]



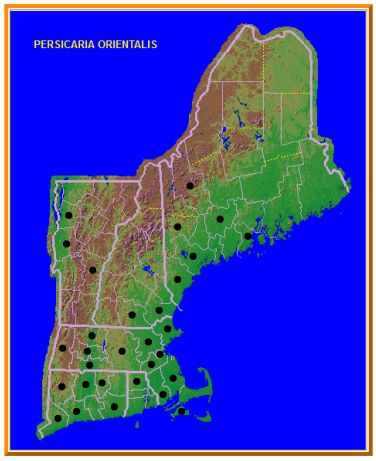


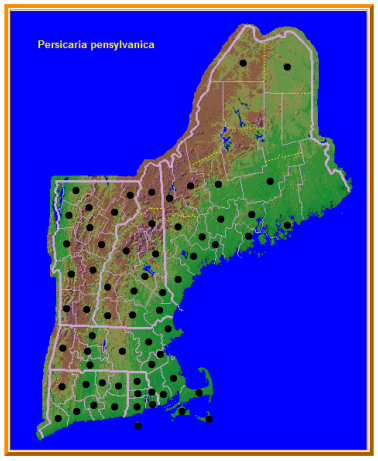


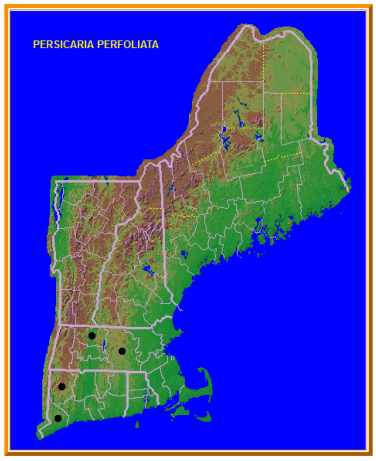
PERSICARIA MACULOSA (Sibthorp) Gray - **Lady's-thumb**. 2n = 20, 22, 40, 42, 44.
Roadsides, waste places, damp clearings, shores. From Eurasia. [*POLYGONUM DUBIUM* Stein *ex* A. Braun; *P. PERSICARIA* Linnaeus var. *PERSICARIA*; *P. PERSICARIA* var. *RUDERALE* Meisner; *P. PURITANORUM* Fernald]

PERSICARIA MINOR (Hudson) Opiz - **Small Water-pepper**. 2n = 40.
Roadsides, ditches, damp, open places. From Europe. [*POLYGONUM MINUS* Hudson; *P. MINUS* var. *SUBCONTINUUM* (Meisner) Fernald]

PERSICARIA NEPALENSIS (Meisner) H. Gross - . 2n = 48.
Waste places. From Asia. [*POLYGONUM NEPALENSE* Meisner]



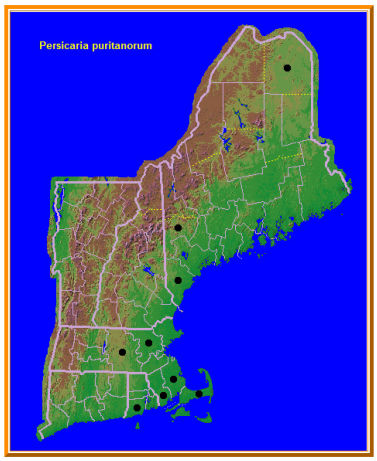


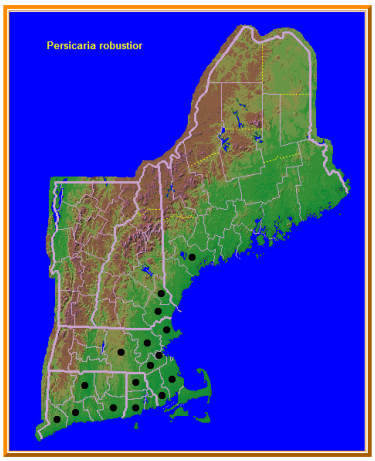


PERSICARIA ORIENTALIS (Linnaeus) Spach - **Kiss-me-over-the-garden-gate**. 2n = 22.
Moist, waste places, roadsides, fields. From Asia. [*POLYGONUM ORIENTALE* Linnaeus]

Persicaria pensylvanica (Linnaeus) M. Gómez - **Pinkweed**. 2n = 22, 88.
Shores, thickets, clearings, ditches, waste places, in moist soil. [*Polygonum pensylvanicum* Linnaeus var. *pensylvanicum*; *P. pensylvanicum* var. *laevigatum* Fernald; *P. pensylvanicum* var. *nesophilum* Fernald]

PERSICARIA PERFOLIATA (Linnaeus) H. Gross - **Devil's-tail Tearthumb**. 2n = ?
Roadsides, waste places. From Asia. [*POLYGONUM PERFOLIATUM* (Linnaeus) Linnaeus]

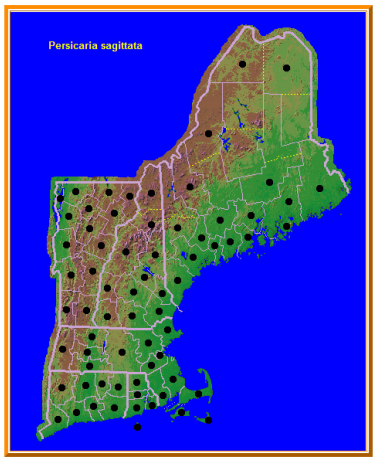


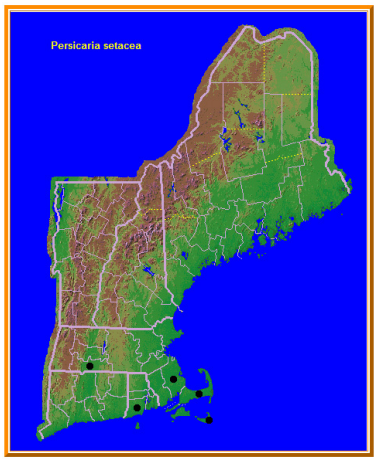


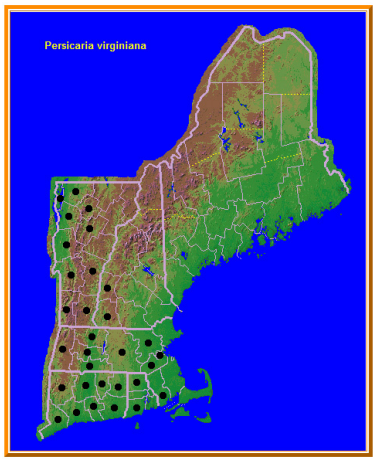
Persicaria punctata (Elliott) Small - **Dotted Smartweed**. 2n = 44.
Wet, often sandy, soil, shores, marshes. [*Polygonum punctatum* Elliott var. *punctatum*; *P. punctatum* var. *confertiflorum* (Meisner) Fassett; *P. punctatum* var. *leptostachyum* (Meisner) Small; *P. punctatum* var. *parvum* Marie-Victorin & J. Rousseau]

Persicaria puritanorum (Fernald) Soják - . 2n = ?
Sandy or gravelly pond shores. [*P. puritanorum* Fernald]

Persicaria robustior (Small) E.P. Bicknell - . 2n = ?
Shores, swamps, often in water. [*Polygonum robustius* (Small) Fernald]



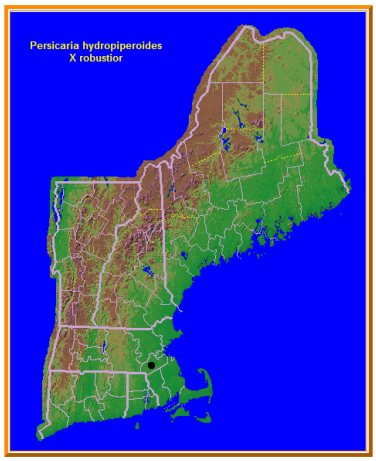


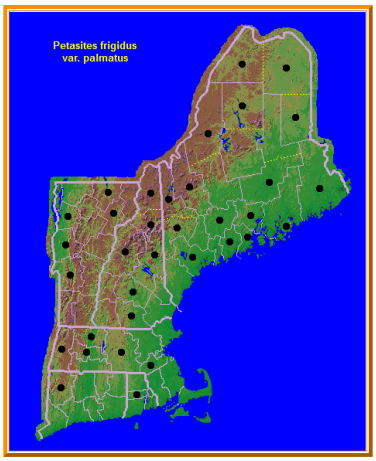


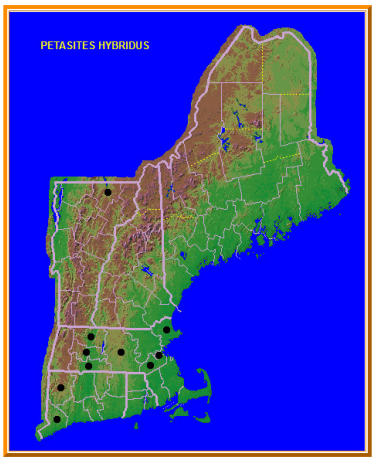
Persicaria sagittata (Linnaeus) H. Gross - **Arrow-vine**. 2n = 40.
Swamps, meadows, moist, low ground. [*Polygonum sagittatum* Linnaeus]

Persicaria setacea (Baldwin) Small - **Swamp Smartweed**. 2n = 20.
Shores, alluvial woods, swamps. [*Polygonum setaceum* Baldwin var. *interjectum* Fernald]

Persicaria virginiana (Linnaeus) Gaertner - **Jumpseed**. 2n = 44, ca. 48.
Shaded, rich soil. [*Polygonum virginianum* Linnaeus; *Tovara virginiana* (Linnaeus) Rafinesque]







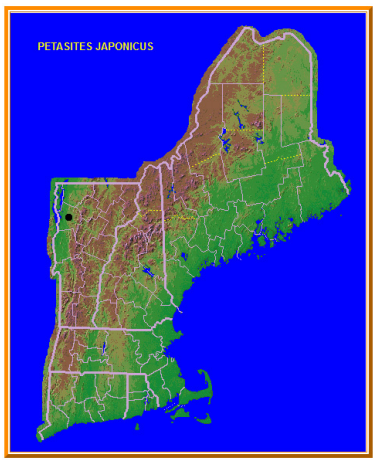
***Persicaria* hybrid**

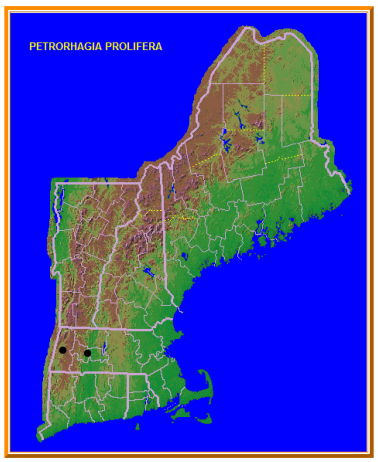
Persicaria hydropiperoides (Michaux) Small X ***P. robustior*** (Small) E.P. Bicknell - .

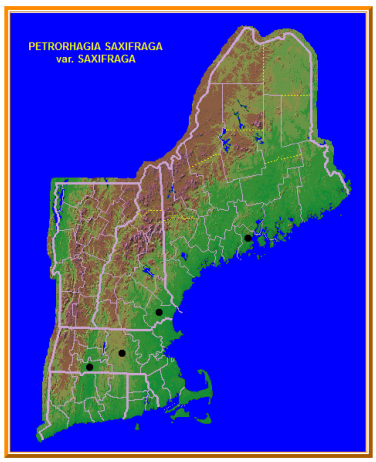
PETASITES (Family: Asteraceae)

Petasites frigidus (Linnaeus) Fries var. ***palmatus*** (Aiton) Cronquist - **Sweet Coltsfoot**. 2n = 60, (61), (62).
Swampy woods, streambanks, damp clearings, roadside ditches. [*P. palmatus* (Aiton) A. Gray]

PETASITES HYBRIDUS (Linnaeus) G. Gaertner, B. Meyer & Scherbius - **Butterbur**. 2n = 60.
Brooksides, waste places. From Eurasia.





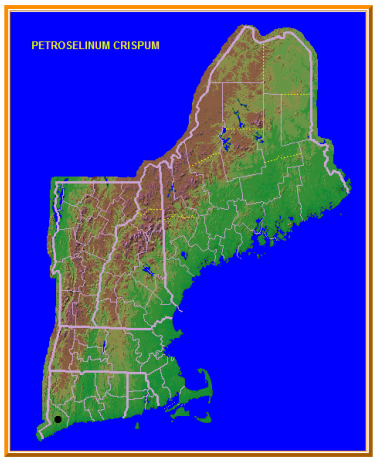


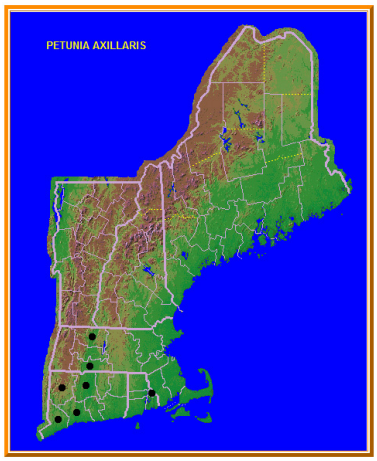
PETASITES JAPONICUS (Siebold & Zuccarini) Maximowicz - **Giant Butterbur**. 2n = 60, 87.
Wet soil by brooksides, streams, ditches. From eastern Asia.

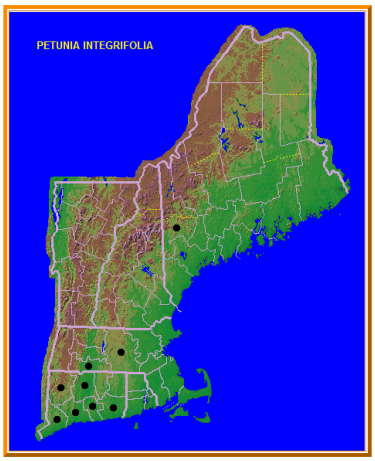
PETRORHAGIA (Family: Caryophyllaceae)

PETRORHAGIA PROLIFERA (Linnaeus) P.W. Ball & Heywood - **Childing Pink**. 2n = (20), 30, (60).
Roadsides, ballast, fields. From Eurasia.

PETRORHAGIA SAXIFRAGA (Linnaeus) Link var. ***SAXIFRAGA*** - **Tunic-flower**. 2n = 30, 60.
Roadsides, sandy, waste places. From Eurasia.







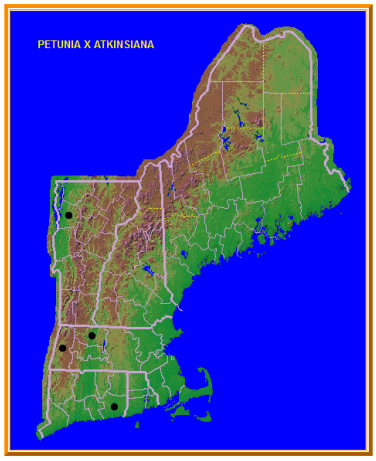
PETROSELINUM (Family: Apiaceae)

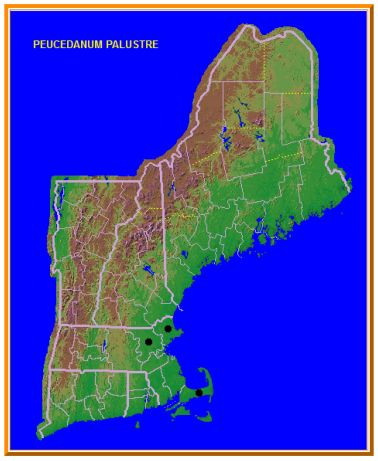
PETROSELINUM CRISPUM (Miller) Fuss - **Common Parsley**. 2n = 22.
Waste places, fields. From the Mediterranean region.

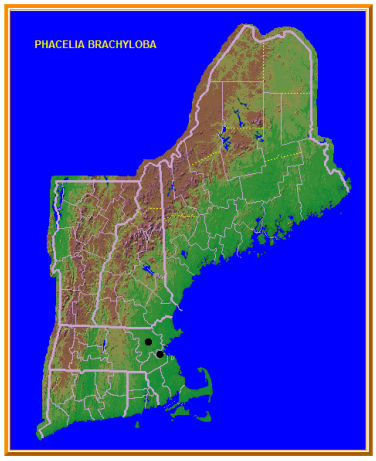
PETUNIA (Family: Solanaceae)

PETUNIA AXILLARIS (Lamarck) Britton, Sterns & Poggenburg - **White Moon Petunia**. 2n = 14, (21), (56).
Roadsides, railroads, waste places. From South America.

PETUNIA INTEGRIFOLIA (Hooker) Schinz & Thellung - **Violet Petunia**. 2n = 14.
Waste places, roadsides. From South America. [*P. VIOLACEA* Lindley - illegitimate name]







***Petunia* hybrid**

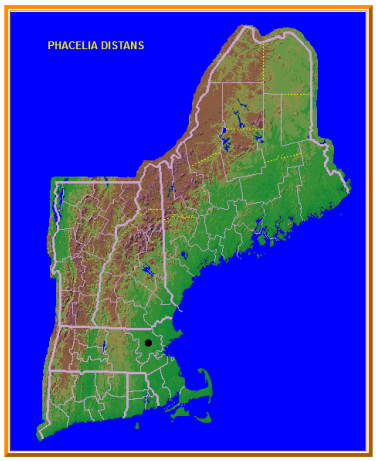
PETUNIA X ***ATKINSIANA*** (Sweet) D. Don *ex* W.H. Baxter - .
[*P. AXILLARIS* (Lamarck) Britton, Sterns & Poggenburg X *P. INTEGRIFOLIA* (Hooker) Schinz & Thellung; *P.* X *HYBRIDA* misapplied]

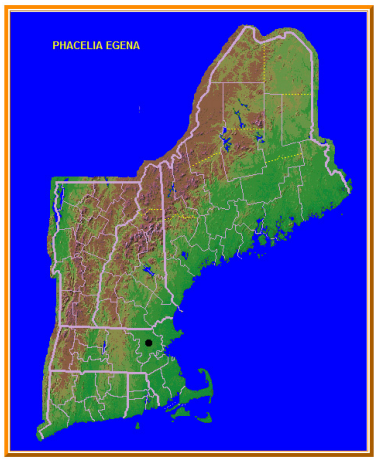
PEUCEDANUM (Family: Apiaceae)

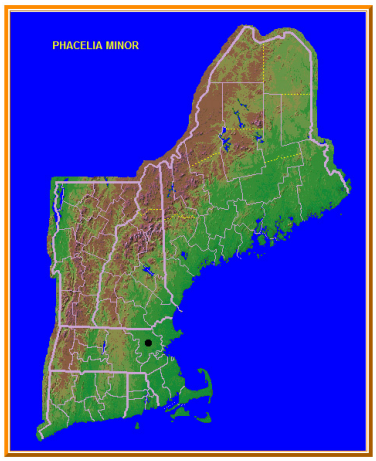
PEUCEDANUM PALUSTRE (Linnaeus) Moench - **Milk-parsley**. 2n = 22.
Meadows, damp fields, swampy thickets. From Eurasia.

PHACELIA (Family: Hydrophyllaceae)

PHACELIA BRACHYLOBA (Bentham) A. Gray - . 2n = 24.
Wool waste, waste places. From California, Baja Mexico.



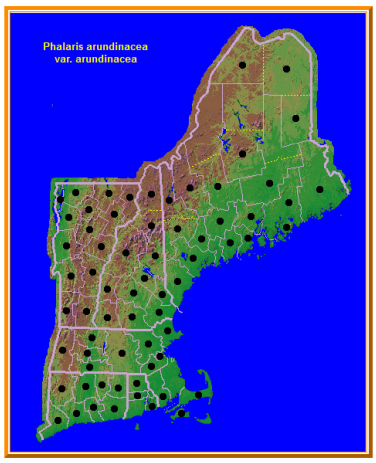


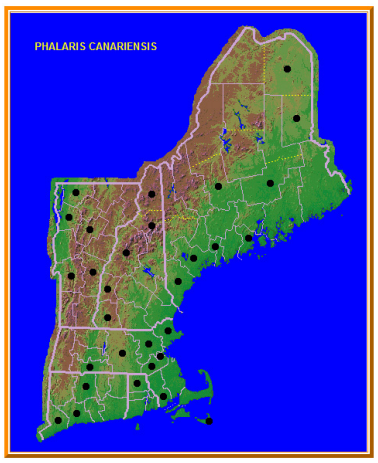


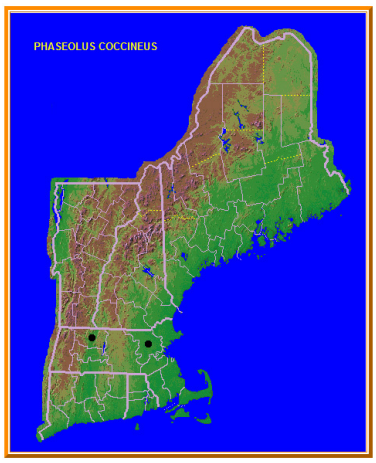
PHACELIA DISTANS Bentham - . 2n = 22, 24.
Wool waste. From southwestern United States, Baja Mexico.

PHACELIA EGENA (Brand) Greene *ex* J.T. Howell - . 2n = 22.
Wool waste. From California. [*P. MAGELLANICA* (Lamarck) R. Brown *ex* Sweet (in part)]

PHACELIA MINOR (Harvey) Thellung *ex* F. Zimmerman - . 2n = ?
Wool waste. From California, Baja Mexico.







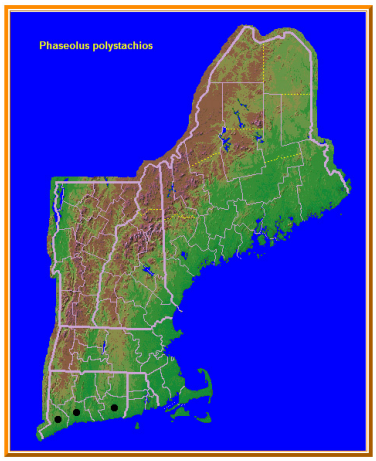
PHALARIS (Family: Poaceae)

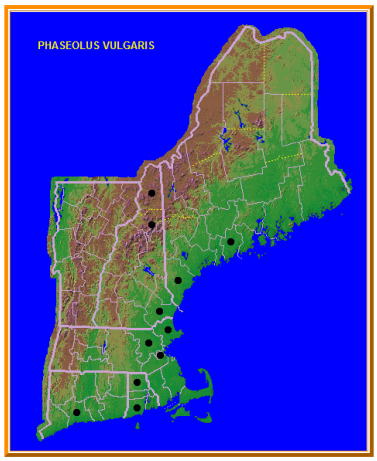
Phalaris arundinacea Linnaeus var. ***arundinacea*** - **Reed Canary-grass**. 2n = (14), 28, (35), (42), (48).
Shores, wet meadows.

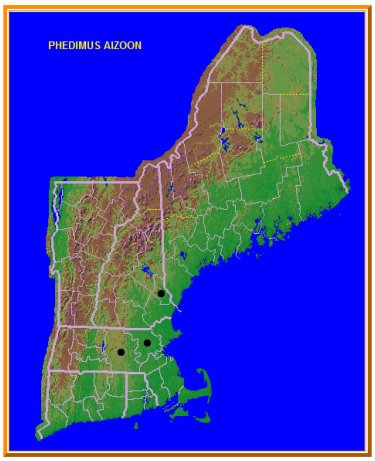
PHALARIS CANARIENSIS Linnaeus - **Canary-grass**. 2n = 12.
Roadsides, railroads, waste places. From Europe.

PHASEOLUS (Family: Fabaceae)

PHASEOLUS COCCINEUS Linnaeus - **Scarlet Runner**. 2n = 22.
Roadsides, waste places. From Mexico, Central America. [*P. MULTIFLORUS* Lamarck - illegitimate name]





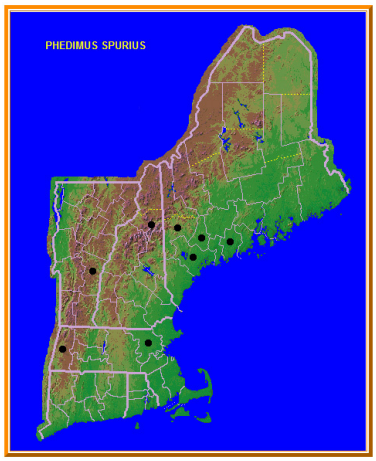


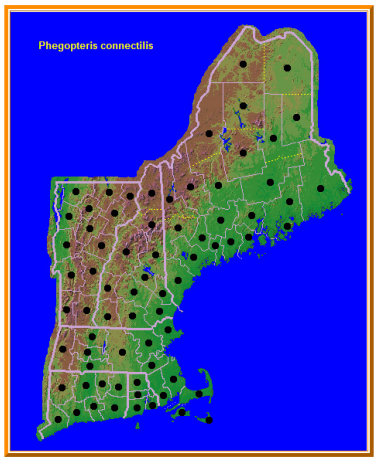
Phaseolus polystachios (Linnaeus) Britton, Sterns & Poggenburg - **Wild Bean**. 2n = 22.
Rocky woods, dry, wooded ledges, roadsides. [*P. polystachios* var. *aquilonius* Fernald]

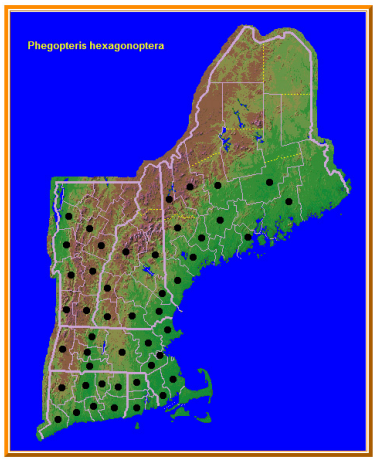
PHASEOLUS VULGARIS Linnaeus - **Common Bean**. 2n = 22, (44).
Waste places, roadsides. From Mexico, Central and South America. [*P. VULGARIS* var. *HUMILIS* Alefeld -- invalid name]

PHEDIMUS (Family: Crassulaceae)

PHEDIMUS AIZOON (Linnaeus) 't Hart - . 2n = 30-32, 48, 56, 61, 63, 64, 66, 78, 80, 84, 85, 88, 93-97, 102.
Open, rocky places. From eastern and northern Asia. [*SEDUM AIZOON* Linnaeus]





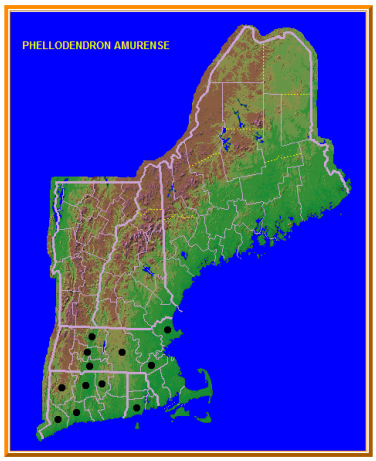


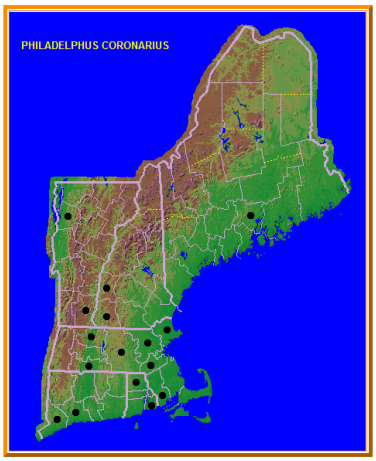
PHEDIMUS SPURIUS (M. Bieberstein) 't Hart - **Caucasian Stonecrop**. 2n = 28, 42.
Rocky or sandy roadsides, waste places, old fields. [*SEDUM SPURIUM* M. Bieberstein; *S. STOLONIFERUM* - misapplied]

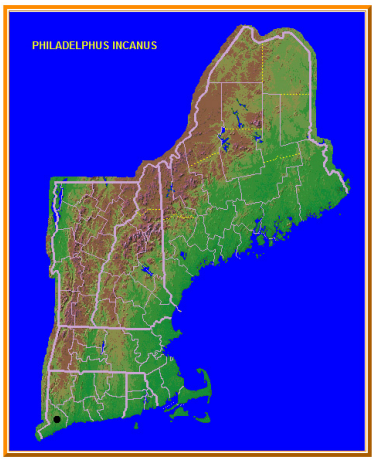
PHEGOPTERIS (Family: Thelypteridaceae)

Phegopteris connectilis (Michaux) Watt - **Long Beech Fern**. 2n = (60), 90, (120), (180).
Rich, damp woods, cool, shaded, rocky banks, moist cliffs. [*Dryopteris phegopteris* (Linnaeus) C. Christensen; *Thelypteris phegopteris* (Linnaeus) Slosson] Note: The apomictic tetraploid *P. excelsior* N.R. Patel & A.V. Gilman is not generally separated from *P. connectilis* in the major herbaria and would be included among the specimens mapped here.

Phegopteris hexagonoptera (Michaux) Fée - **Broad Beech Fern**. 2n = 60, (120).
Rich woods and thickets. [*Dryopteris hexagonoptera* (Michaux) C. Christensen; *Thelypteris hexagonoptera* (Michaux) Weatherby]







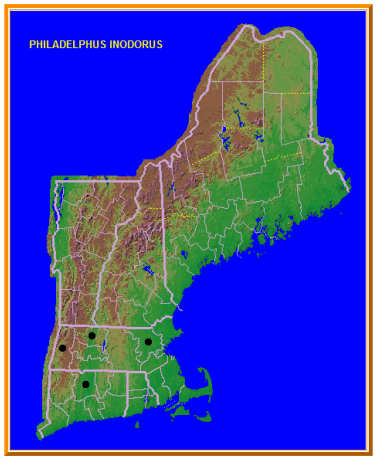
PHELLODENDRON (Family: Rutaceae)

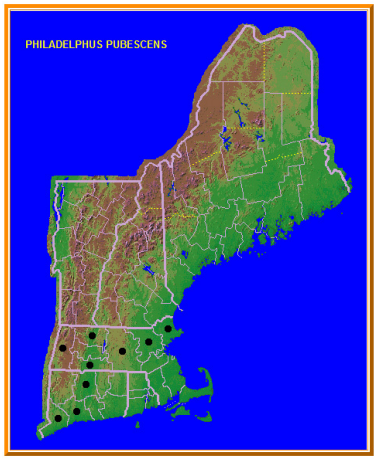
PHELLODENDRON AMURENSE Ruprecht - **Amur Corktree**. 2n = 28, ca. 66, 76, 78, ca. 80.
Woodlands, roadsides, swamps, pond shores. From eastern Asia. [*P. JAPONICUM* Maximowicz; *P. SACHALINENSE* (F. Schmidt) Sargent]

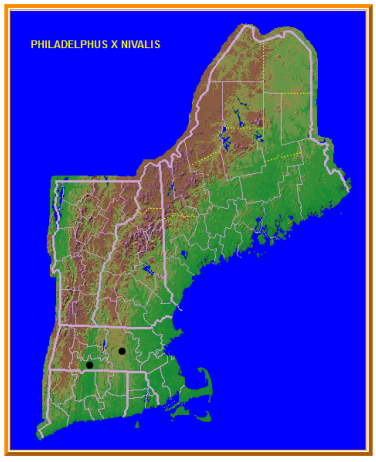
PHILADELPHUS (Family: Hydrangeaceae)

PHILADELPHUS CORONARIUS Linnaeus - **Sweet Mock-orange**. 2n = 26.
Woodlands, roadside thickets, woodland margins. From Eurasia. [*P. CAUCASICUS* Koehne]

PHILADELPHUS INCANUS Koehne - . 2n = 26.
Margins of rich woodlands. From China.





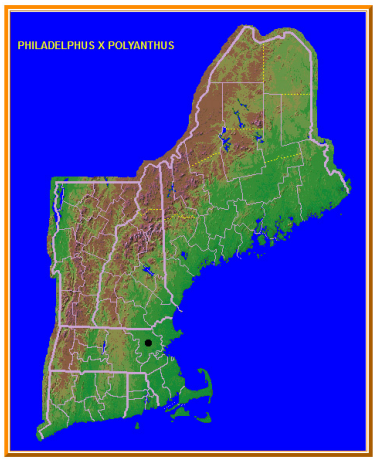


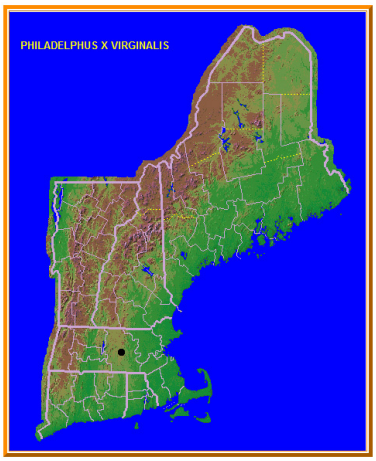
PHILADELPHUS INODORUS Linnaeus - . 2n = 26.
Woodland margins, roadsides. From southeastern United States. [*P. INODORUS* var. *GRANDIFLORUS* (Willdenow) A. Gray]

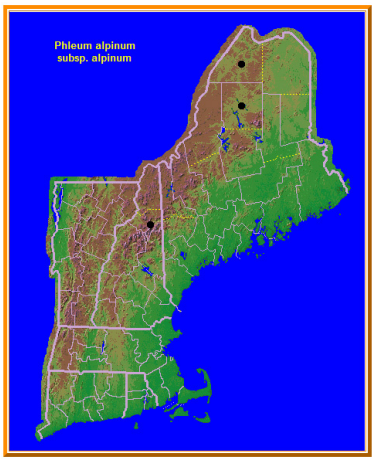
PHILADELPHUS PUBESCENS Loiseleur - . 2n = 26.
Waste places, streambanks, deciduous woodlands, thickets. From farther west and south. [*P. PUBESCENS* var. *VERRUCOSUS* (Schrader *ex* de Candolle) S.Y. Hu]

***Philadelphus* hybrids**

PHILADELPHUS X ***NIVALIS*** Jacques - .
[*P. CORONARIUS* Linnaeus X *P. PUBESCENS* Loiseleur]





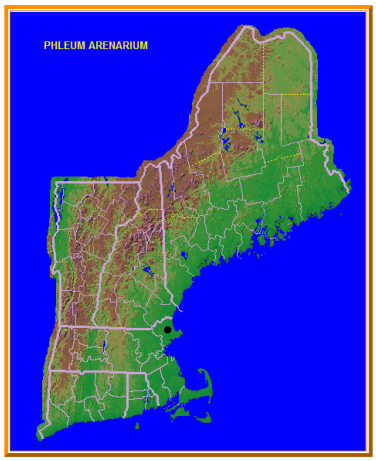


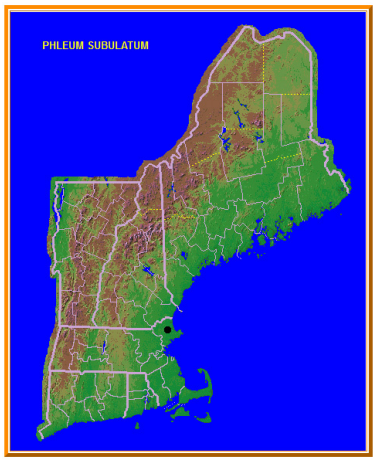
PHILADELPHUS X ***POLYANTHUS*** Rehder - .
[*P. CORONARIUS* Linnaeus X ?]

PHILADELPHUS X ***VIRGINALIS*** Rehder - .
[unknown parentage]

PHLEUM (Family: Poaceae)

Phleum alpinum Linnaeus subsp. ***alpinum*** - **Mountain Timothy**. 2n = 14, 28.
High altitudes.

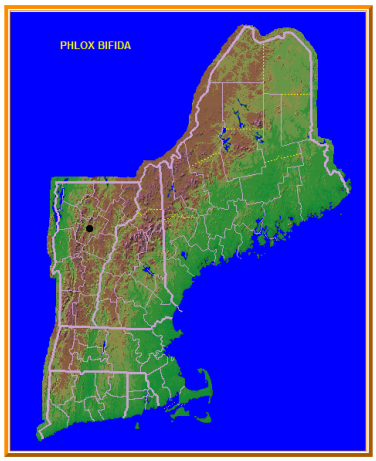


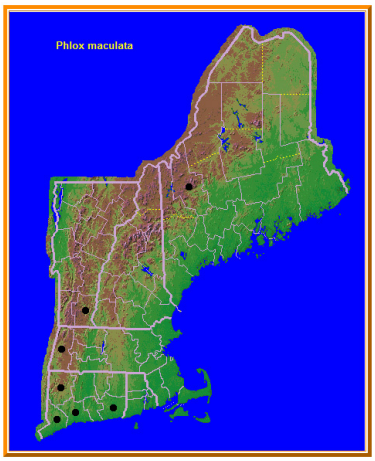


PHLEUM ARENARIUM Linnaeus - . 2n = 14.
Waste areas, ballast. From Europe and North Africa.

PHLEUM PRATENSE Linnaeus subsp. ***PRATENSE*** - **Timothy**. 2n = (14), (21), (28), 42, (63).
Fields, roadsides. From Eurasia. [*P. PRATENSE* var. *NODOSUM* (Linnaeus) Hudson]

PHLEUM SUBULATUM (Savi) Ascherson & Graebner - . 2n = 14.
Waste areas, ballast. From the Mediterranean.



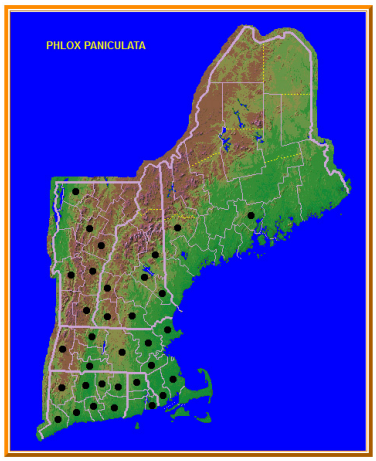


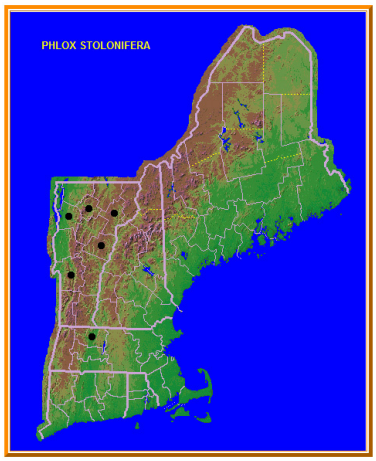
PHLOX (Family: Polemoniaceae)

PHLOX BIFIDA L.C. Beck - **Sand Phlox**. 2n = 14.
Shaded, sandy soil near cemetery. From farther west.

Phlox divaricata Linnaeus - **Wild Blue Phlox**. 2n = 14.
Damp, rocky, rich woodlands, waste places.

Phlox maculata Linnaeus - **Wild Sweet William**. 2n = 14.
Meadows, alluvial woodlands, streambanks, swamps, roadsides.

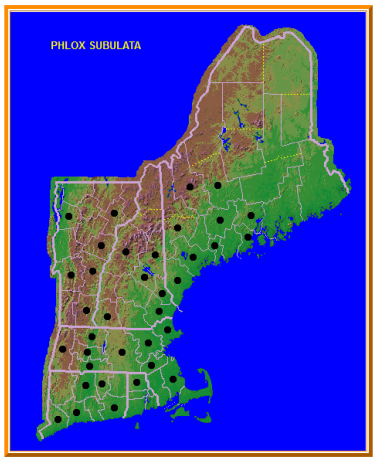


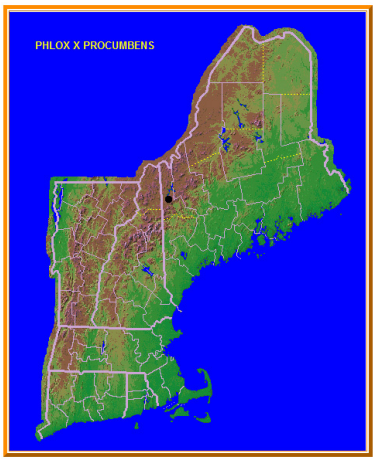


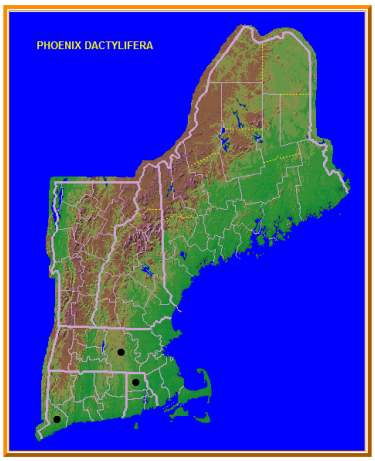
PHLOX PANICULATA Linnaeus - **Fall Phlox**. 2n = 14.
Roadsides, woodland margins, fields, thickets. From farther west and south.

Phlox pilosa Linnaeus subsp. ***pilosa*** - . 2n = 14, (28).
Moist, grassy banks, dry knolls.

PHLOX STOLONIFERA Sims - **Creeping Phlox**. 2n = 14.
Cemeteries, roadsides. From farther south.







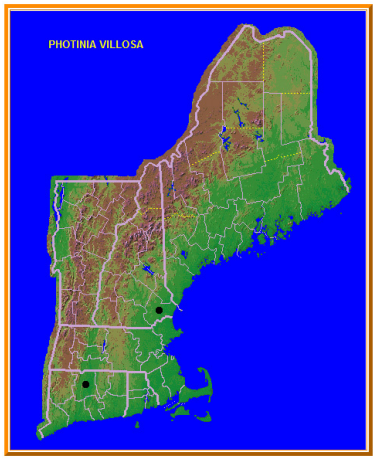
PHLOX SUBULATA Linnaeus - **Moss Phlox**. 2n = 14, 28.
Cemeteries, sandy fields and roadsides, waste places. From farther west and south.

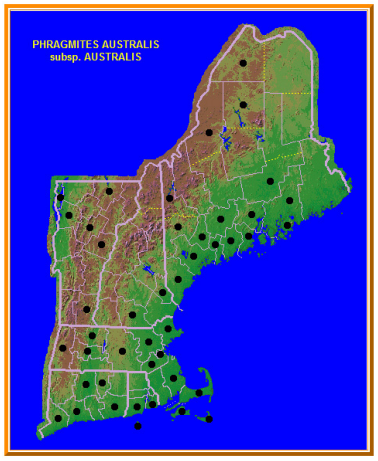
***Phlox* hybrid**

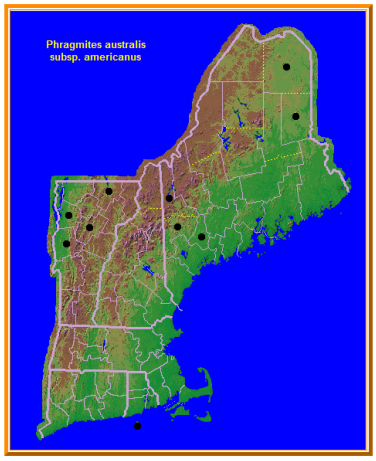
PHLOX X ***PROCUMBENS*** Lehmann (*pro species*) - .
[*P. STOLONIFERA* Sims X *P. SUBULATA* Linnaeus]

PHOENIX (Family: Arecaceae)

PHOENIX DACTYLIFERA Linnaeus - **Date Palm**. 2n = 28, (34), 36, (40).
Waste places. Probably from the Middle East.







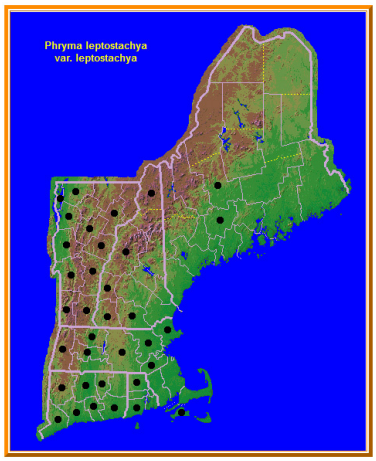
PHOTINIA (Family: Rosaceae)

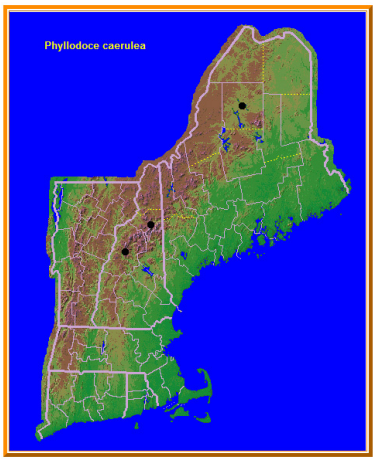
PHOTINIA VILLOSA (Thunberg) de Candolle - **Oriental Photinia**. 2n = 34.
Swamps, woodlands. From eastern Asia.

PHRAGMITES (Family: Poaceae)

PHRAGMITES AUSTRALIS (Cavanilles) Steudel subsp. ***AUSTRALIS*** - **Common Reed**. 2n = 36, (42), (44), (46), 48, (49-54), 72, (84), 96, (120).
Marshes, shores, ditches. From Eurasia. [*P. COMMUNIS* Trinius var. *COMMUNIS*; *P. communis* var. *berlandieri* misapplied]

Phragmites australis (Cavanilles) Steudel subsp. ***americanus*** Saltonstall, P.M. Peterson, & Soreng - **Common Reed**. 2n = ?
Marshes, shores, ditches. [*P. COMMUNIS* Trinius var. *COMMUNIS* misapplied; *P. communis* var. *berlandieri* misapplied]





PHRYMA (Family: Phrymaceae)

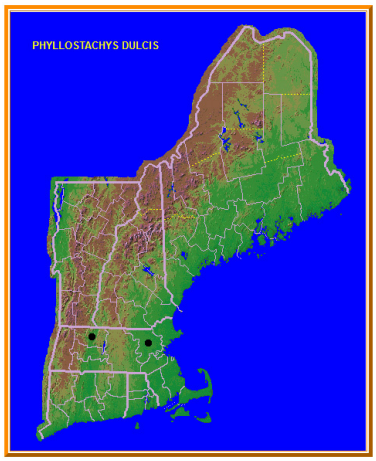
Phryma leptostachya Linnaeus var. ***leptostachya*** - **Lopseed**. 2n = (14), 28.
Rich, deciduous woods, usually moist.

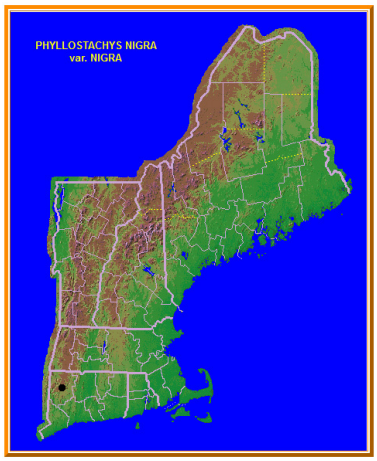
PHYLLODOCE (Family: Ericaceae)

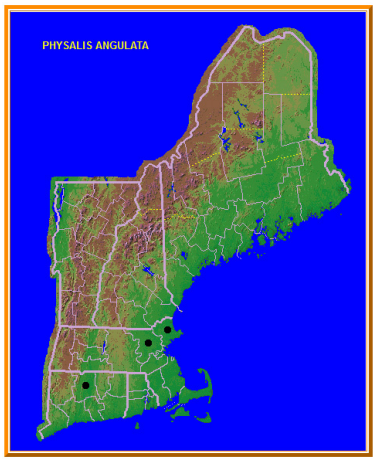
Phyllodoce caerulea (Linnaeus) Babington - **Mountain-heath**. 2n = 24.
Alpine rocks and peat.

PHYLLOSTACHYS (Family: Poaceae)

PHYLLOSTACHYS AUREOSULCATA McClure - . 2n = 48.
Moist deciduous woods. From China.





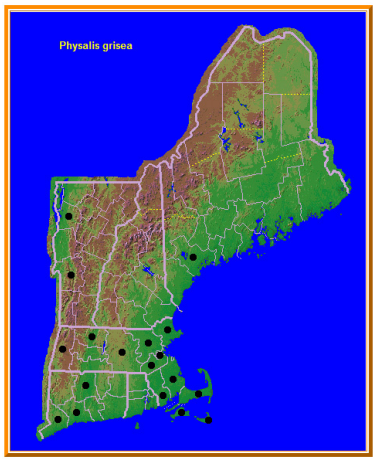


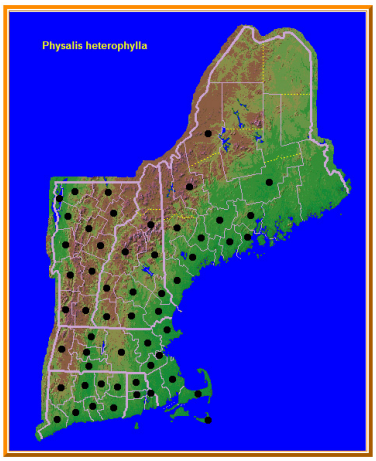
PHYLLOSTACHYS DULCIS McClure - **Sweetshoot Bamboo**. 2n = 48.
Field margin. From China.

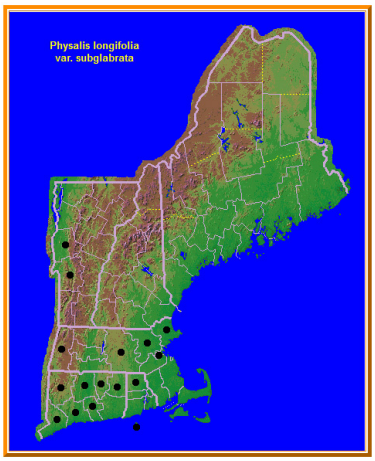
PHYLLOSTACHYS NIGRA (Loddiges *ex* Lindley) Munro var. ***NIGRA*** - **Black Bamboo**. 2n = 48, 54.
Roadsides. From China.

PHYSALIS (Family: Solanaceae)

PHYSALIS ANGULATA Linnaeus - . 2n = (24), 48.
Waste places. From farther west and south.



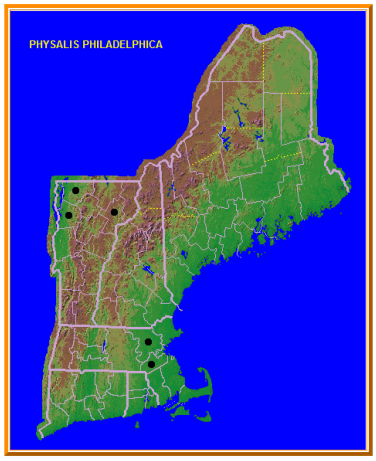


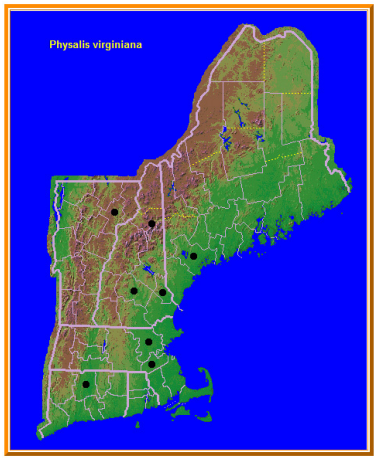


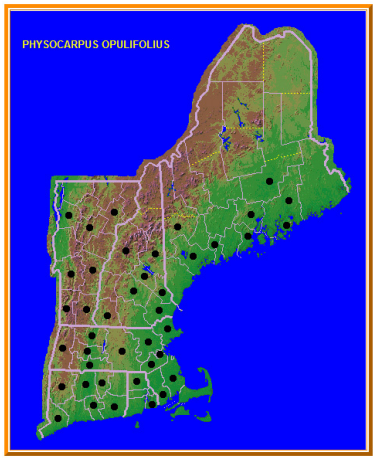
Physalis grisea (Waterfall) M. Martínez - **Strawberry-tomato**. 2n = 24.
Waste places, roadsides, sandy fields and bluffs. [*P. pruinosa* misapplied; *P. pubescens* Linnaeus var. *grisea* Waterfall]

Physalis heterophylla Nees - **Clammy Ground-cherry**. 2n = 24.
Fields, dry, open woods, clearings, roadsides, waste places. [*P. heterophylla* var. *ambigua* (A. Gray) Rydberg; *P. nyctaginea* Dunal]

Physalis longifolia Nuttall var. ***subglabrata*** (Mackenzie & Bush) Cronquist - . 2n = 24.
Waste places, roadsides, fields. [*P. subglabrata* Mackenzie & Bush; *P. virginiana* Miller var. *subglabrata* (Mackenzie & Bush) Waterfall]





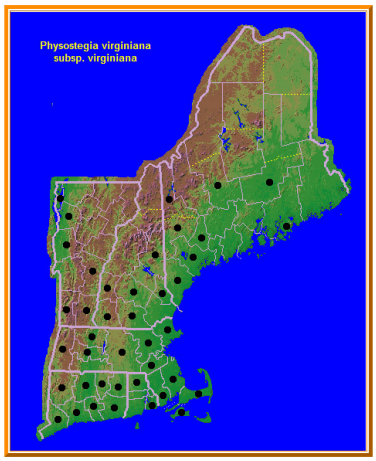


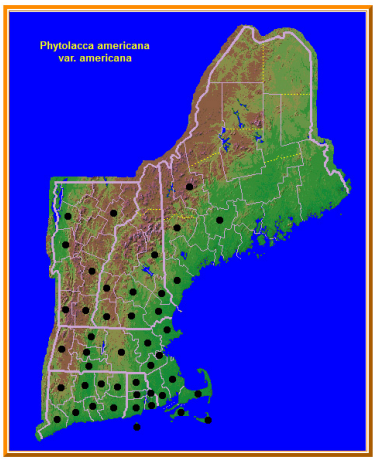
PHYSALIS PHILADELPHICA Lamarck - . 2n = ?
Waste places. From Mexico. [*P. PHILADELPHICA* var. *IMMACULATA* misapplied; *P. IXOCARPA* Brotero *ex* Hornemann var. *IMMACULATA* misapplied]

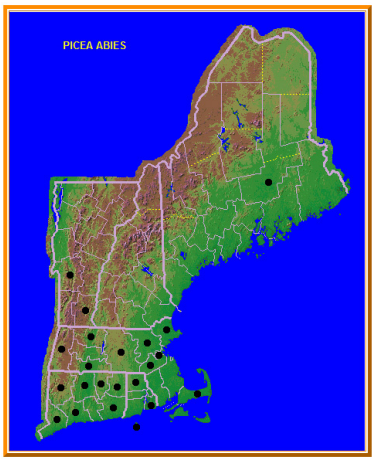
Physalis virginiana Miller - . 2n = 24.
Waste places, fields, dry, sandy or rocky woodlands, woodland margins, clearings.

PHYSOCARPUS (Family: Rosaceae)

PHYSOCARPUS OPULIFOLIUS (Linnaeus) Maximowicz - **Eastern Ninebark**. 2n = 18.
Rocky banks, shores, thickets, fields, roadsides, waste places. From farther west and south.







PHYSOSTEGIA (Family: Lamiaceae)

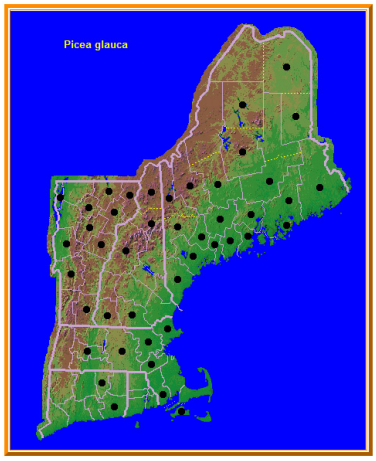
Physostegia virginiana (Linnaeus) Bentham subsp. ***virginiana*** - **Obedient-plant**. 2n = (14), 38, (76).
Roadsides, fields, streambanks, damp thickets, shores. [*P. virginiana* var. *granulosa* (Fassett) Fernald; *P. virginiana* var. *speciosa* (Sweet) A. Gray]

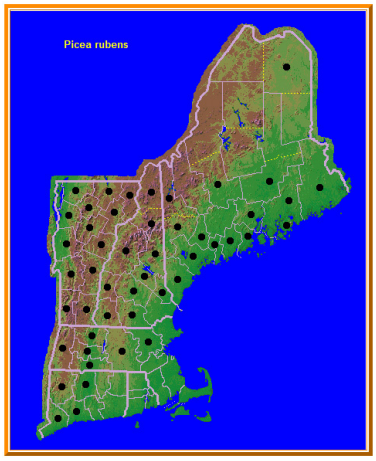
PHYTOLACCA (Family: Phytolaccaceae)

Phytolacca americana Linnaeus var. ***americana*** - **Pokeweed**. 2n = 36.
Clearings, waste places, roadsides, in moist soil.

PICEA (Family: Pinaceae)

PICEA ABIES (Linnaeus) H. Karsten - **Norway Spruce**. 2n = 24, (48).
Woods, hedgerows. From Europe.

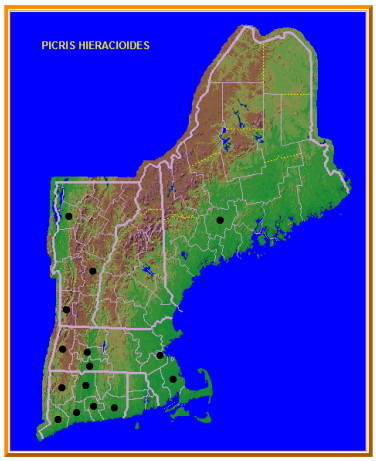


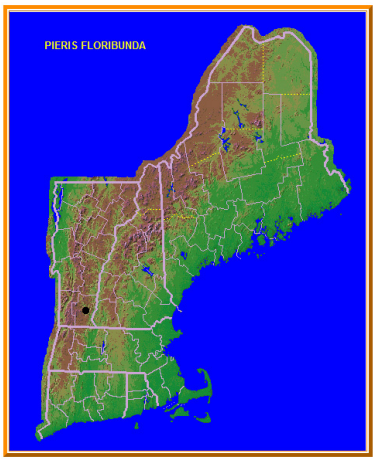


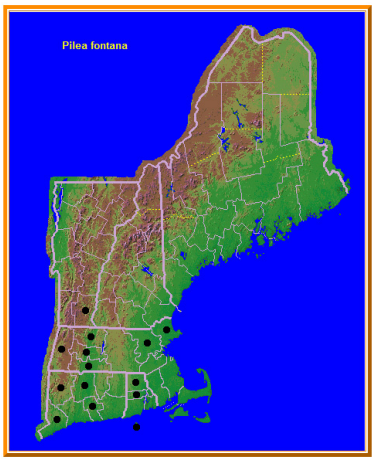
Picea glauca (Moench) Voss - **White Spruce**. 2n = 24.
Moist woods, dry sandy soils, old pastures, rocky slopes, exposed hilltops, ocean cliffs.

Picea mariana (Miller) Britton, Sterns, & Poggenburg. - **Black Spruce**. 2n = 24, (40).
Northward on mountain slopes, rocky hillsides, high banks of streams, bogs; southward in *Sphagnum* bogs and swamps.

Picea rubens Sargent - **Red Spruce**. 2n = 24.
Rocky, well-drained, upland woods, mountain slopes, occasionally in swamps (southward).







PICRIS (Family: Asteraceae)

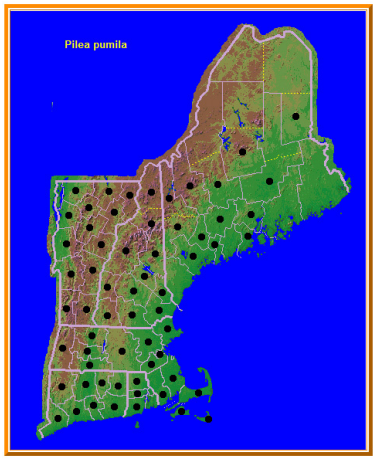
PICRIS HIERACIOIDES Linnaeus - . 2n = 10.
Dry fields, roadsides, waste places. From Eurasia.

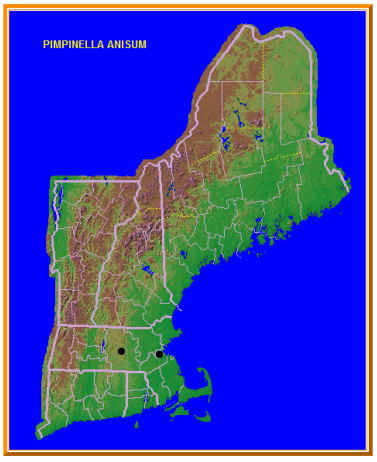
PIERIS (Family: Ericaceae)

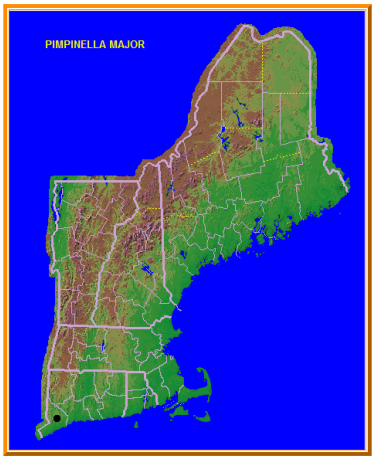
PIERIS FLORIBUNDA (Pursh) Bentham & Hooker (son) - **Mountain Fetterbush**. 2n = 24.
Hedgerows.

PILEA (Family: Urticaceae)

Pilea fontana (Lunell) Rydberg - **Lesser Clearweed**. 2n = ?
Moist to wet, shaded woods, mossy stream borders, springs, swamps.





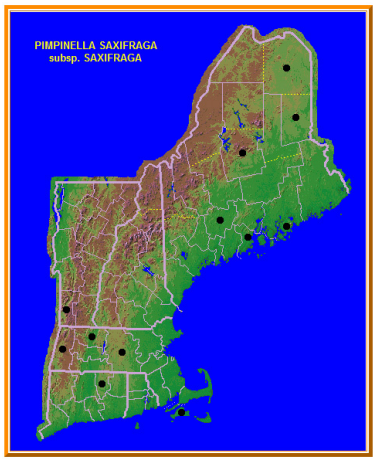


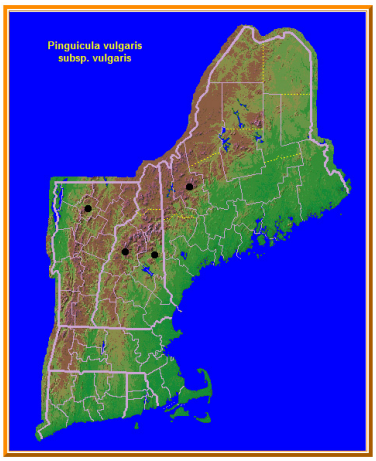
Pilea pumila (Linnaeus) A. Gray - **Richweed**. 2n = 24, 26.
Moist, shaded areas.

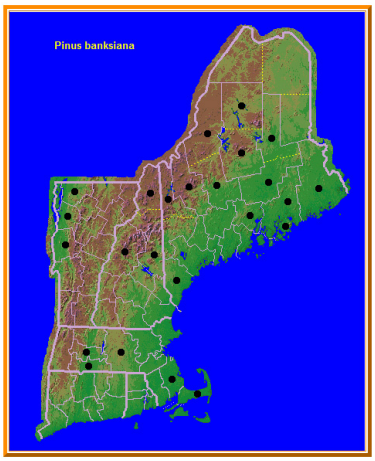
PIMPINELLA (Family: Apiaceae)

PIMPINELLA ANISUM Linnaeus - **Anise**. 2n = 18, 20.
Waste places. From eastern Mediterranean region, southwestern Asia.

PIMPINELLA MAJOR (Linnaeus) Hudson - . 2n = (18), 20, (36).
Moist roadsides. From Europe.







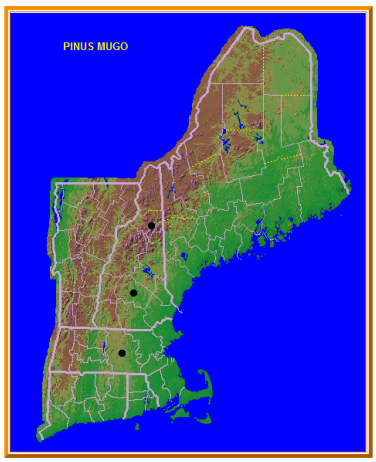
PIMPINELLA SAXIFRAGA Linnaeus subsp. ***SAXIFRAGA*** - **Burnet-saxifrage**. 2n = (18), (20), (36), 40.
Moist roadsides. From Europe.

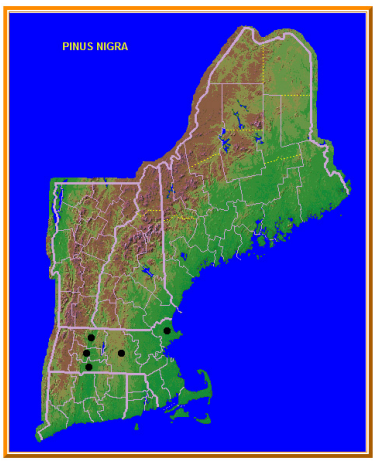
PINGUICULA (Family: Lentibulariaceae)

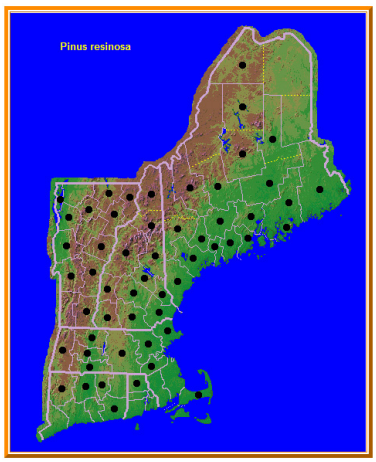
Pinguicula vulgaris Linnaeus subsp. ***vulgaris*** - **Common Butterwort**. 2n = (32), (50), 64.
Wet rocks, open spots, chiefly at high altitudes.

PINUS (Family: Pinaceae)

Pinus banksiana Lambert - **Jack Pine**. 2n = (18), 24.
Sterile sand or rocky soils, rocky slopes and ledges, escaped from plantations at roadsides and bog margins (southward).



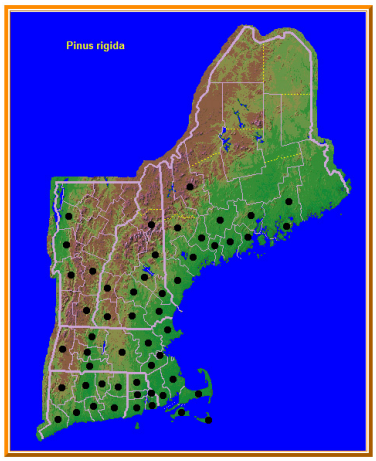


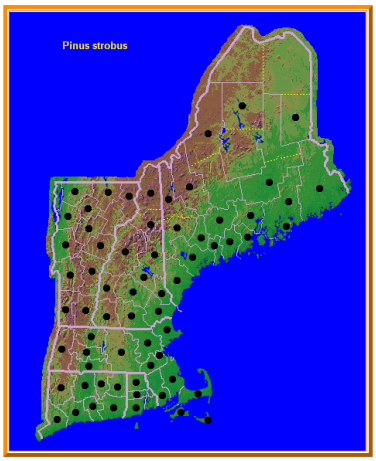


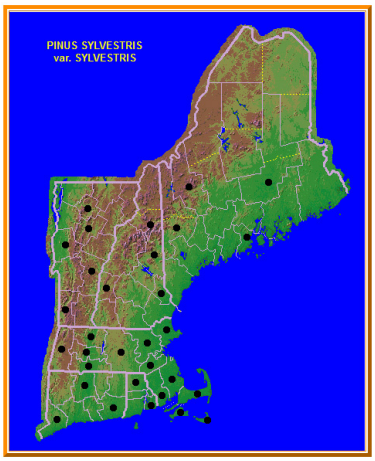
PINUS MUGO Turra - **Swiss Mountain Pine**. 2n = 24.
Old pastures. From Europe.

PINUS NIGRA J.F. Arnold - **Austrian Pine**. 2n = (18), 24.
Woodland margins. From Eurasia, northern Africa.

Pinus resinosa Aiton - **Red Pine**. 2n = 24.
Sandy or gravelly soil in dry woods and barrens, mountain slopes, ledges, occasionally in peat bogs.



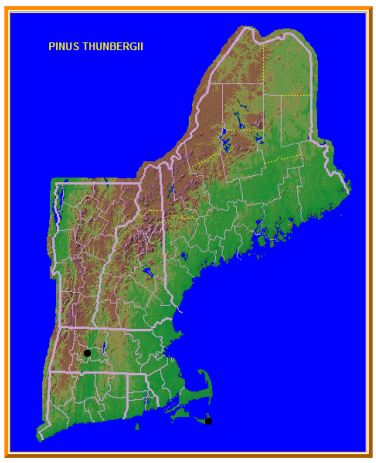


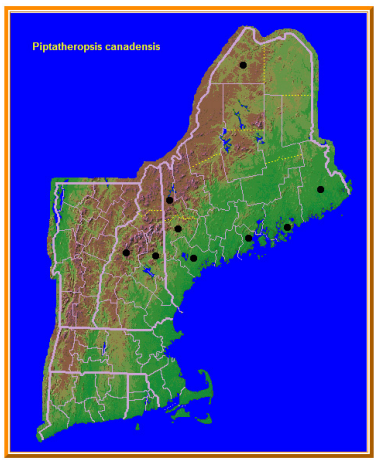


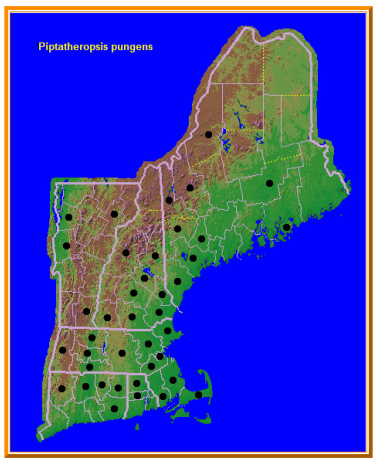
Pinus rigida Miller - **Pitch Pine**. 2n = 24.
Dry, sterile, sandy or gravelly soils, rocky slopes, occasionally in cold swamps and bogs.

Pinus strobus Linnaeus - **Eastern White Pine**. 2n = 24.
Sandy or fertile, well-drained soils, but tolerating wet ground (rarely in bogs).

PINUS SYLVESTRIS Linnaeus var. ***SYLVESTRIS*** - **Scots Pine**. 2n = 24, (36), (48).
Roadsides, fallow fields, dry woods. From Eurasia.





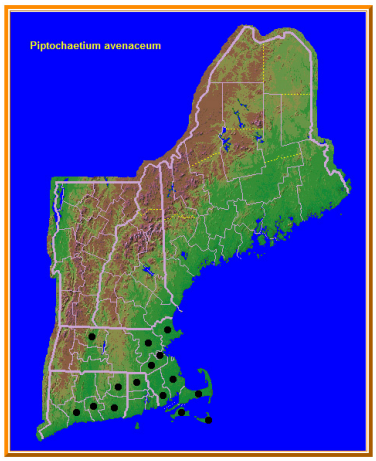


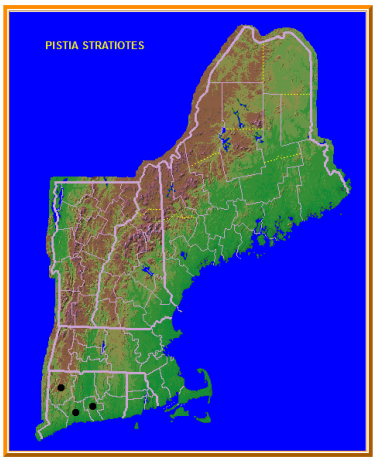
PINUS THUNBERGII Parlatore - **Japanese Black Pine**. 2n = 24, (48).
Dry sandy soils. From eastern Asia.

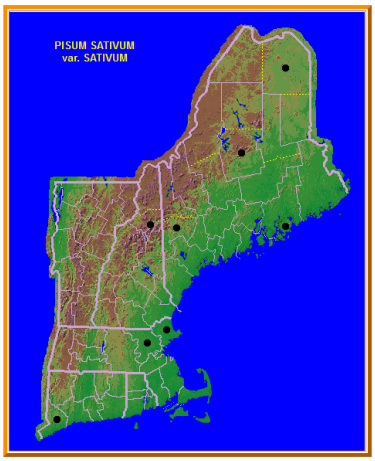
PIPTATHEROPSIS (Family: Poaceae)

Piptatheropsis canadensis (Poiret) Romaschenko, P.M. Peterson & Soreng - . 2n = 22.
Dry, sandy or rocky woods. [*Oryzopsis canadensis* (Poiret) Torrey]

Piptatheropsis pungens (Torrey *ex* Sprengel) Romaschenko, P.M. Peterson & Soreng - . 2n = 22, 24.
Dry, sandy or rocky woods. [*Oryzopsis pungens* (Torrey *ex* Sprengel) Hitchcock]







PIPTOCHAETIUM (Family: Poaceae)

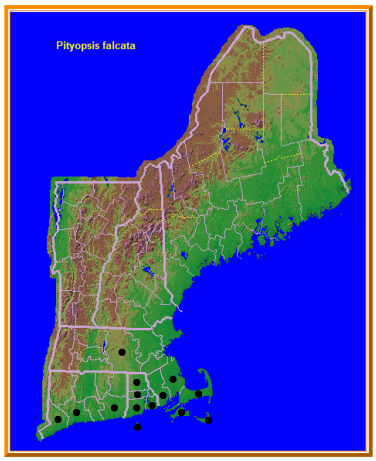
Piptochaetium avenaceum (Linnaeus) Parodi - **Black Oat-grass**. 2n = 22.
Dry openings, open woods. [*Stipa avenacea* Linnaeus]

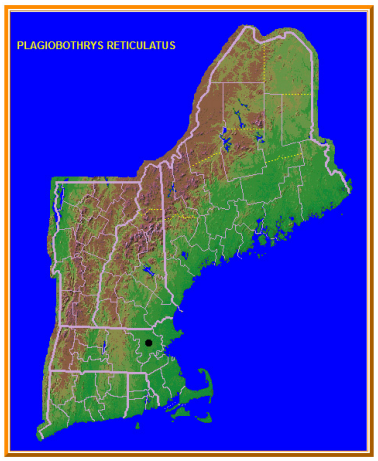
PISTIA (Family: Araceae)

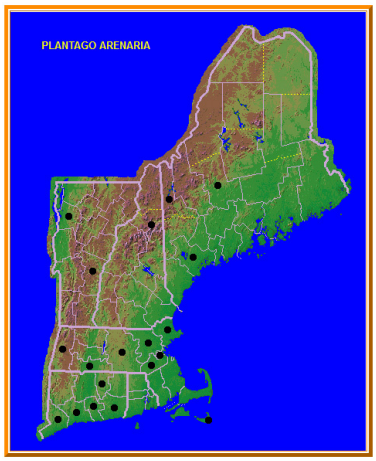
PISTIA STRATIOTES Linnaeus - **Water-lettuce**. 2n = (14), 28.
Ponds, rivers, lakes. From tropical Africa, Asia, Australia, South America, Central America, Mexico.

PISUM (Family: Fabaceae)

PISUM SATIVUM Linnaeus var. ***SATIVUM*** - **Garden Pea**. 2n = 14, (28), (30), (56), (112).
Roadsides, waste places, fields, railroads. From Eurasia, northern Africa.







PITYOPSIS (Family: Asteraceae)

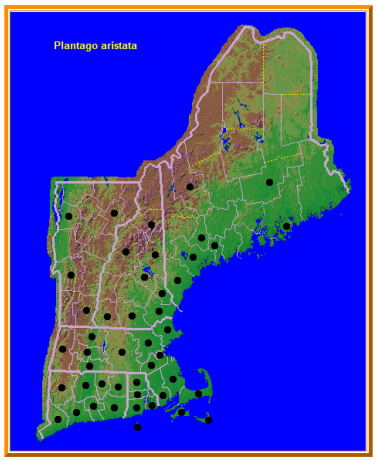
Pityopsis falcata (Pursh) Nuttall - . 2n = 18.
Dry, sandy, open soil, railroads. [*Chrysopsis falcata* (Pursh) Elliott]

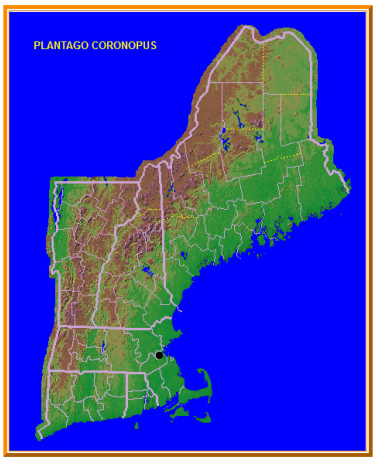
PLAGIOBOTHRYS (Family: Boraginaceae)

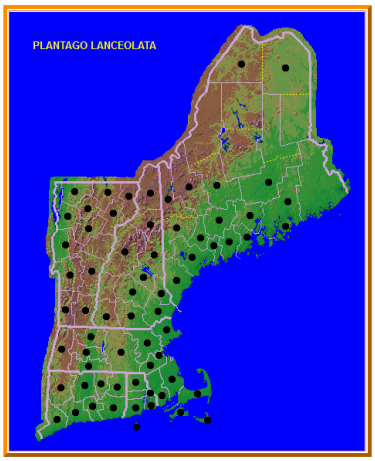
PLAGIOBOTHRYS RETICULATUS (Piper) I.M. Johnston - . 2n = ?
Wool waste. From western North America.

PLANTAGO (Family: Plantaginaceae)

PLANTAGO ARENARIA Waldstein & Kitaibel - . 2n = 12, (24).
Waste places, roadsides, railroads, fields. From Eurasia, northern Africa. [*P. INDICA* Linnaeus; *P. PSYLLIUM* Linnaeus -- rejected name]



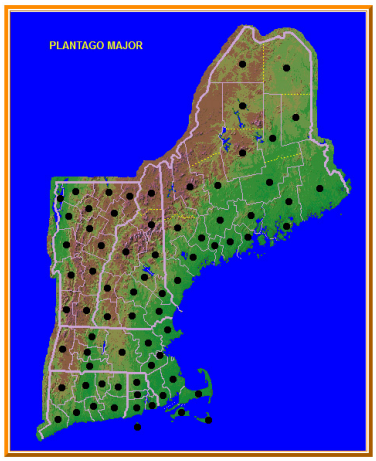


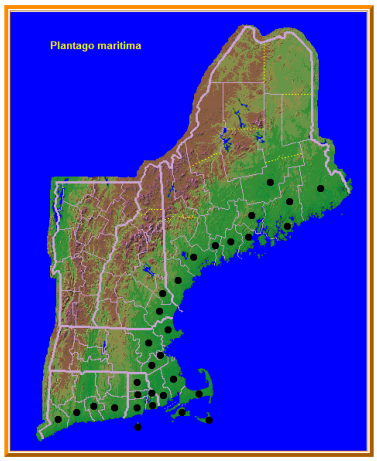


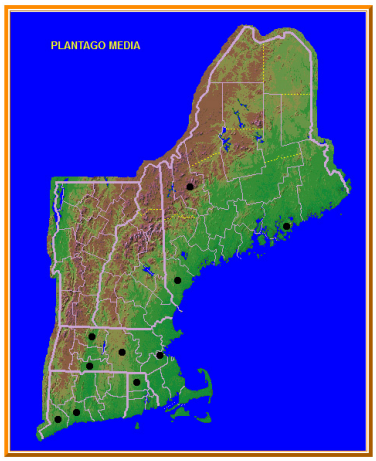
Plantago aristata Michaux - **Bracted Plantain**. 2n = 20.
Open, sterile or sandy, disturbed soil, gravel, roadsides, fields, waste places.

PLANTAGO CORONOPUS Linnaeus - **Buck's-horn Plantain**. 2n = 10, (11), (20), (30), (31).
Waste places. From Eurasia, northern Africa.

PLANTAGO LANCEOLATA Linnaeus - **Ribgrass**. 2n = 12, (13), (14), (24), (96).
Fields, roadsides, waste places. From Eurasia, northern Africa. [*P. LANCEOLATA* var. *SPHAEROSTACHYA* Mertens & W.D.J. Koch; *P. ALTISSIMA* misapplied]



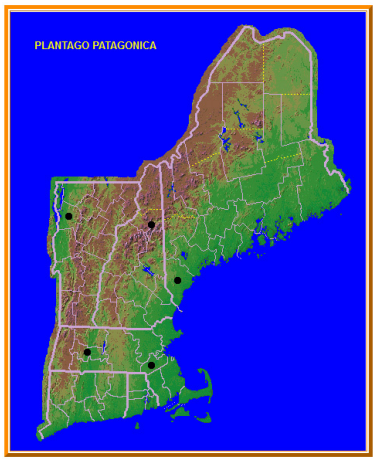


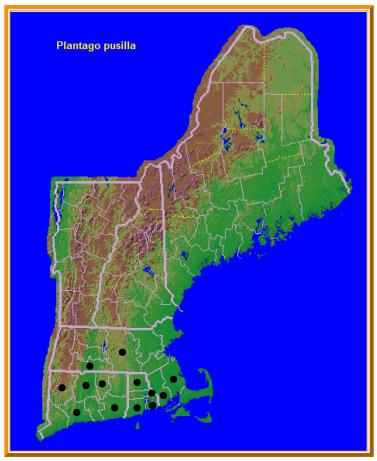


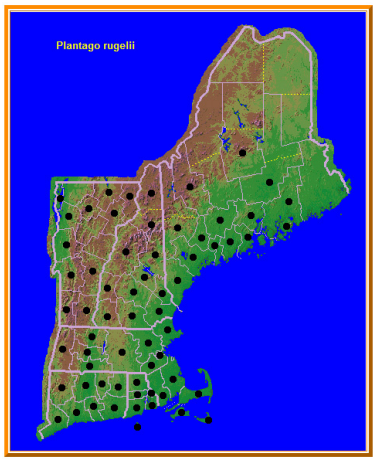
PLANTAGO MAJOR Linnaeus - **Common Plantain**. 2n = (6), 12, (24), (32).
Roadsides, waste places, disturbed soil. From Eurasia. [*P. MAJOR* var. *PILGERI* Domin; *P. MAJOR* var. *SCOPULORUM* Fries & Broberg; *P. INTERMEDIA* Gilibert]

Plantago maritima Linnaeus - **Seaside Plantain**. 2n = (6), 12, (18), (24), (36).
Salt marshes, beaches, coastal rocks. [*P. maritima* var. *juncoides* (Lamarck) A. Gray; *P. juncoides* Lamarck var. *decipiens* (Barnéoud) Fernald; *P. juncoides* var. *glauca* (Hornemann) Fernald; *P. oliganthos* Roemer & Schultes var. *oliganthos*; *P. oliganthos* var. *fallax* Fernald]

PLANTAGO MEDIA Linnaeus - **Hoary Plantain**. 2n = (12), 24.
Fields, roadsides, waste places. From Eurasia.



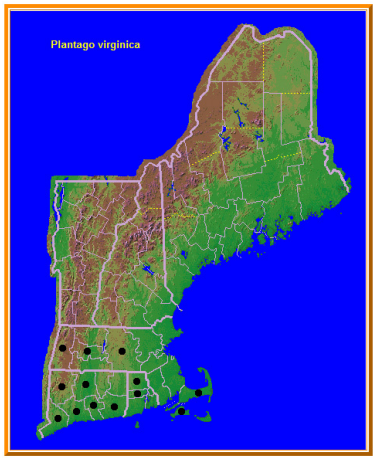


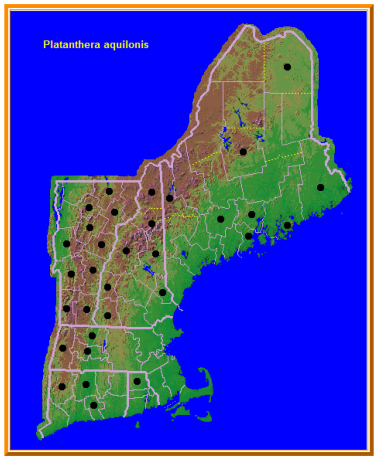


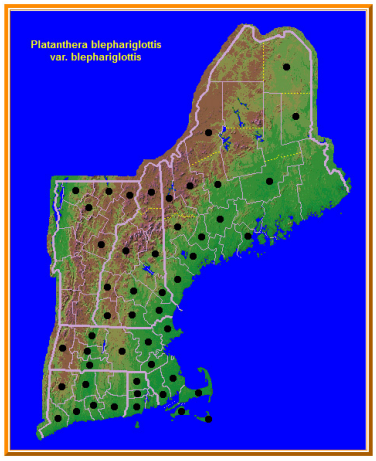
PLANTAGO PATAGONICA Jacquin - . 2n = 20, (24).
Railroads, fields, waste places. From farther west, southern South America. [*P. PURSHII* Roemer & Schultes]

Plantago pusilla Nuttall - . 2n = 12.
Dry, sandy roadsides, fields, railroads and clearings, dry ledges.

Plantago rugelii Decaisne - . 2n = 24.
Roadsides, wood roads, waste places, meadows, shores, fields.





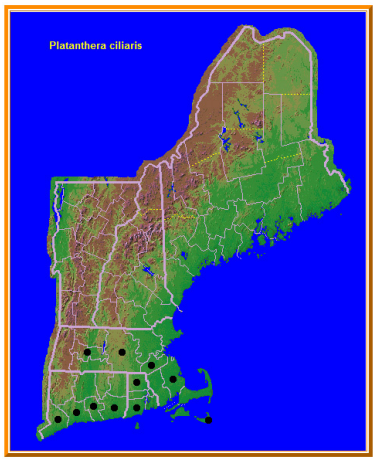


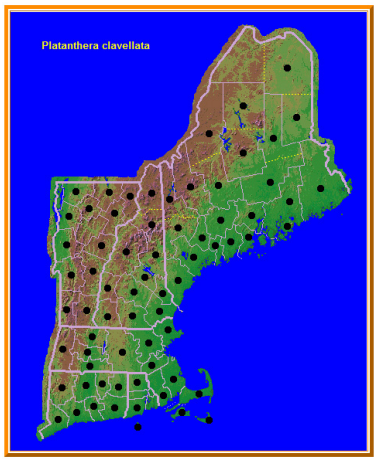
Plantago virginica Linnaeus - **Pale-seed Plantain**. 2n = 24.
Fields, ledges, open, gravelly, rocky or sandy soil, often dry.

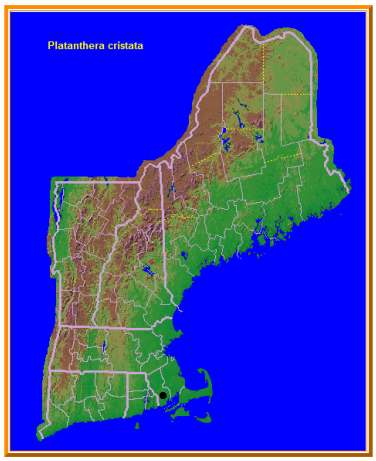
PLATANTHERA (Family: Orchidaceae)

Platanthera aquilonis Sheviak - **Northern Green Orchis**. 2n = 42.
Springy woods, *Sphagnum* bogs, ditches. [*P. hyperborea* misapplied; *Habenaria hyperborea* misapplied]

Platanthera blephariglottis (Willdenow) Lindley var. ***blephariglottis*** - **White Fringed Orchis**. 2n = 42.
Sphagnum bogs, wet, sphagnous soil. [*Habenaria blephariglottis* (Willdenow) Hooker]



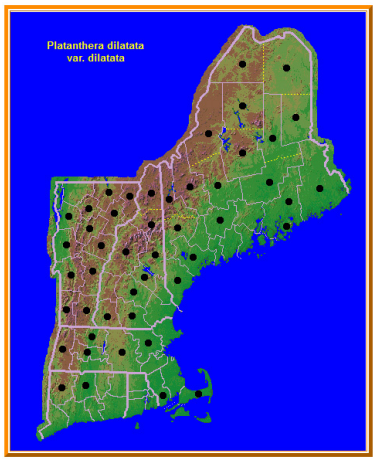


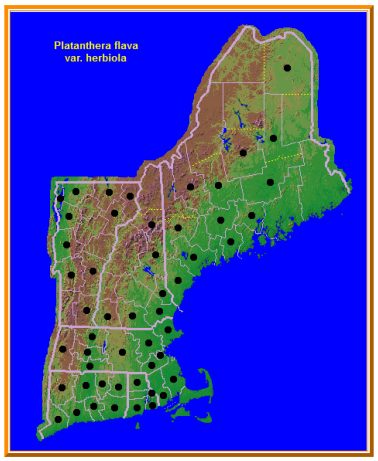


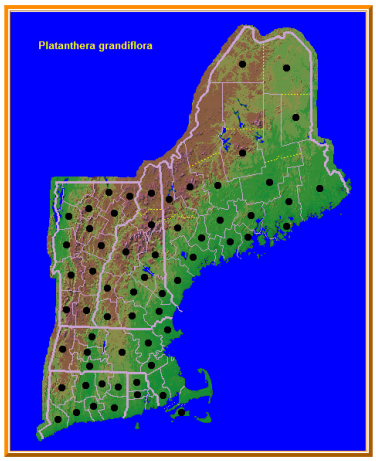
Platanthera ciliaris (Linnaeus) Lindley - **Yellow Fringed Orchis**. 2n = ?
Swampy woods, wet thickets, bogs. [*Habenaria ciliaris* (Linnaeus) R. Brown]

Platanthera clavellata (Michaux) Luer - **Green Woodland Orchis**. 2n = 42.
Swampy woods, bogs, spring-heads, shores, typically sphagnous. [*Habenaria clavellata* (Michaux) Sprengel; *H. clavellata* var. *ophioglossoides* Fernald]

Platanthera cristata (Michaux) Lindley - **Crested Yellow Orchis**. 2n = 42.
Damp, acid woods, low moist meadows. [*Habenaria cristata* (Michaux) R. Brown]



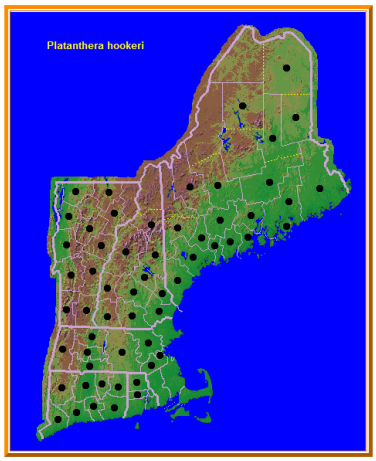


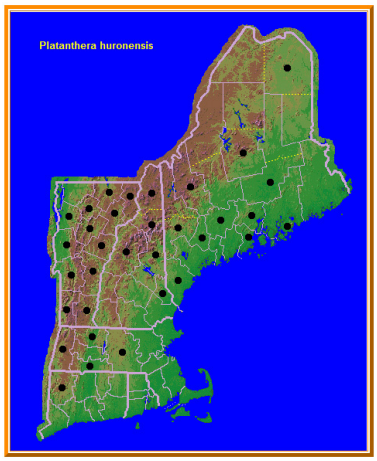


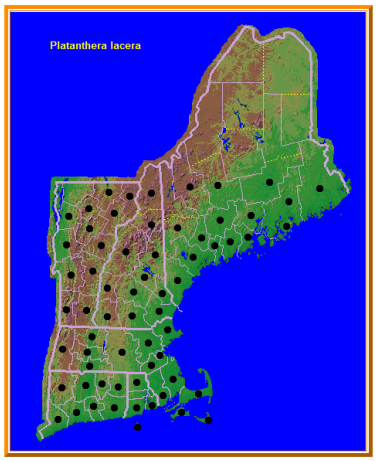
Platanthera dilatata (Pursh) Lindley *ex* L.C. Beck var. ***dilatata*** - **Bog Candle**. 2n = 42.
Springy woods, bogs, shores, meadows. [*Habenaria dilatata* (Pursh) Hooker]

Platanthera flava (Linnaeus) Lindley var. ***herbiola*** (R. Brown) Luer - **Tubercled Orchis**. 2n = 42.
Springy meadows, shores. [*Habenaria flava* (Linnaeus) R. Brown *ex* Sprengel var. *herbiola* (R. Brown) Ames & Correll]

Platanthera grandiflora (Bigelow) Lindley - **Large Purple Fringed Orchis**. 2n = 42.
Rich, swampy woods, spring-heads, along streams, thickets. [*Habenaria fimbriata* (Aiton) R. Brown; *H. psycodes* (Linnaeus) Sprengel var. *grandiflora* (Bigelow) A. Gray]



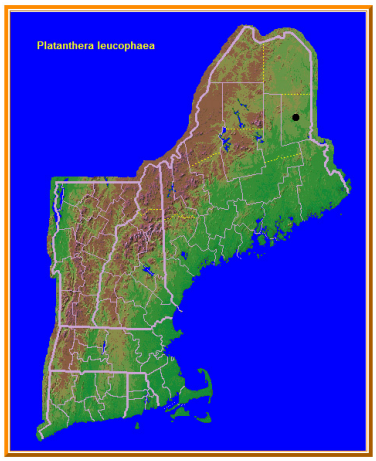


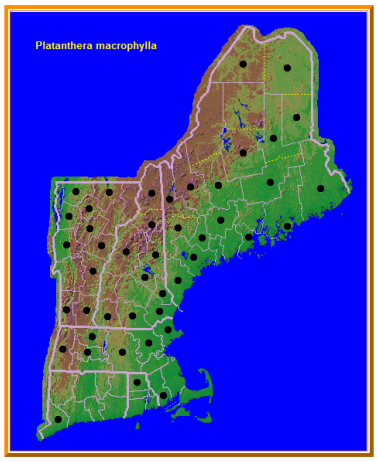


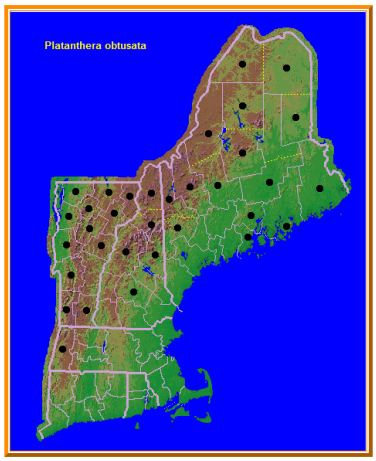
Platanthera hookeri (Torrey *ex* A. Gray) Lindley - **Hooker's Orchis**. 2n = 42.
Rich, dry woods. [*Habenaria hookeri* Torrey *ex* A. Gray]

Platanthera huronensis (Nuttall) Lindley - . 2n = 84.
Springy woods, *Sphagnum* bogs, ditches. [*P. hyperborea* var. *huronensis* (Nuttall) Luer; *P.* X *media* (Rydberg) Luer; *Habenaria hyperborea* (Linnaeus) R. Brown var. *huronensis* (Nuttall) Farwell]

Platanthera lacera (Michaux) G. Don - **Ragged Orchis**. 2n = 42.
Meadows, damp fields, alluvial or wet woods. [*Habenaria lacera* (Michaux) R. Brown *ex* Sprengel]



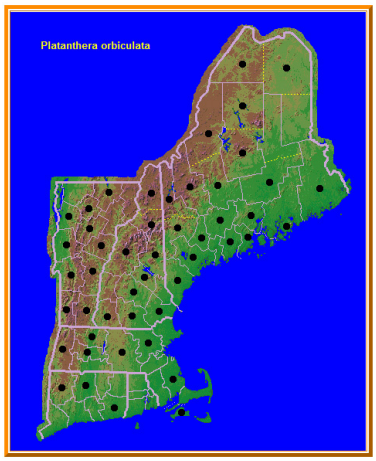


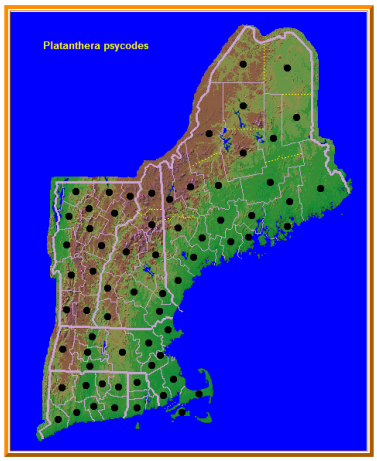


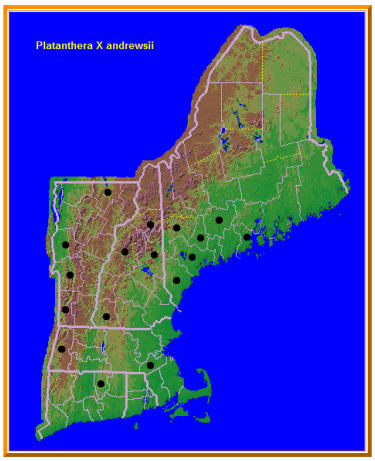
Platanthera leucophaea (Nuttall) Lindley - **Prairie Fringed Orchis**. 2n = 42.
Bogs, open tamarack swamps. [*Habenaria leucophaea* (Nuttall) A. Gray]

Platanthera macrophylla P.M. Brown - . 2n = ?
Rich woods. [*P. orbiculata* (Pursh) Lindley var. *macrophylla* (Goldie) Luer; *Habenaria macrophylla* Goldie; *H. orbiculata* (Pursh) Hooker var. *macrophylla* (Goldie) B. Boivin]

Platanthera obtusata (Banks *ex* Pursh) Lindley - **Blunt-leaf Orchis**. 2n = 42, (63), (126).
Sphagnum bogs, damp woods, especially coniferous or mixed. [*Habenaria obtusata* (Banks *ex* Pursh) Richardson]





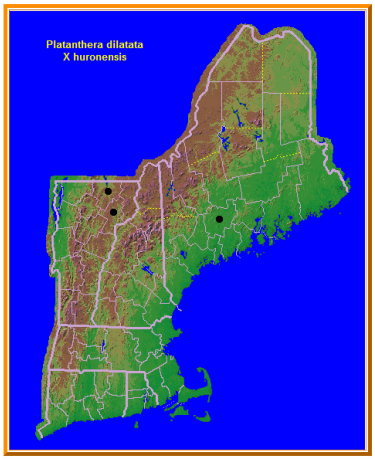


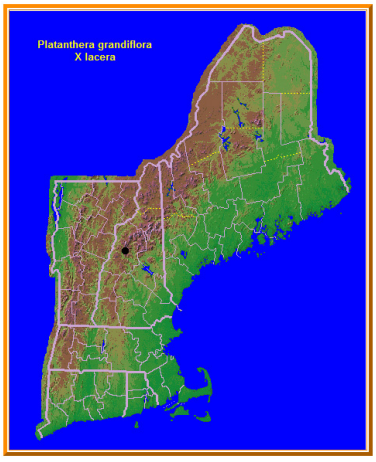
Platanthera orbiculata (Pursh) Lindley - **Round-leaved Orchis**. 2n = 42.
Rich woods. [*Habenaria orbiculata* (Pursh) Hooker]

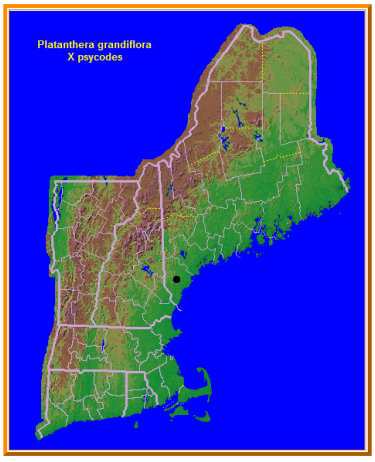
Platanthera psycodes (Linnaeus) Lindley - **Small Purple Fringed Orchis**. 2n = 42.
Wet woods, damp thickets, along streams. [*Habenaria psycodes* (Linnaeus) Sprengel]

***Platanthera* hybrids**

Platanthera X ***andrewsii*** (M. White) Luer - .
[*P. lacera* (Michaux) G. Don X *P. psycodes* (Linnaeus) Lindley]



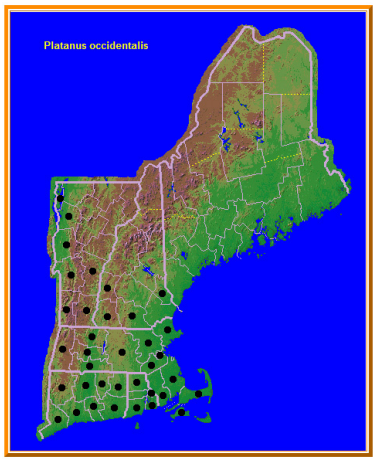


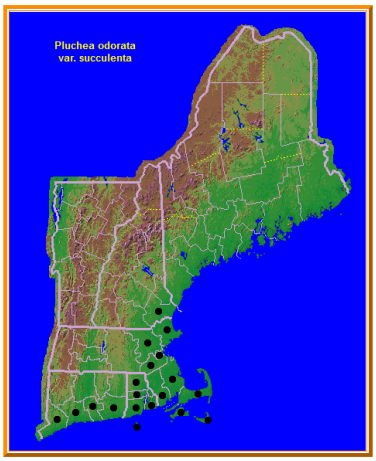


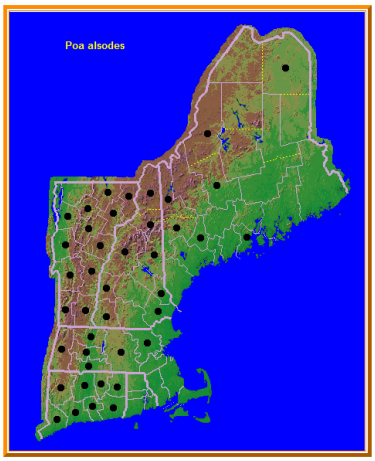
Platanthera dilatata (Pursh) Lindley *ex* L.C. Beck X ***P. huronensis*** (Nuttall) Lindley - .
[*P.* X *media* misapplied]

Platanthera grandiflora (Bigelow) Lindley X ***P. lacera*** (Michaux) G. Don - .
[*P.* X *keenanii* P.M. Brown - illegitimate name]

Platanthera grandiflora (Bigelow) Lindley X ***P. psycodes*** (Linnaeus) Lindley - .
[*P.* X *enigma* P.M. Brown - invalid name]







PLATANUS (Family: Platanaceae)

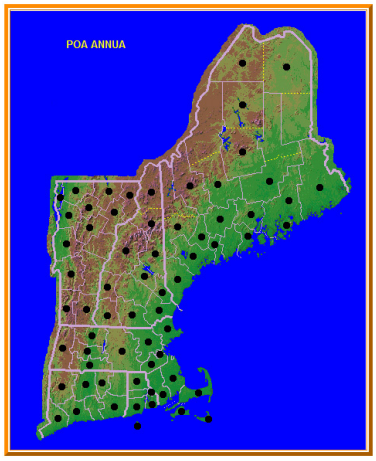
Platanus occidentalis Linnaeus - **Sycamore**. 2n = 42.
Rich soil, especially along streams.

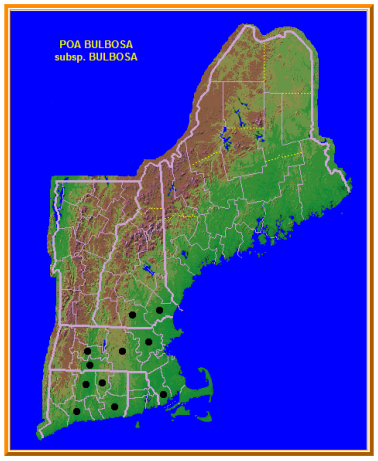
PLUCHEA (Family: Asteraceae)

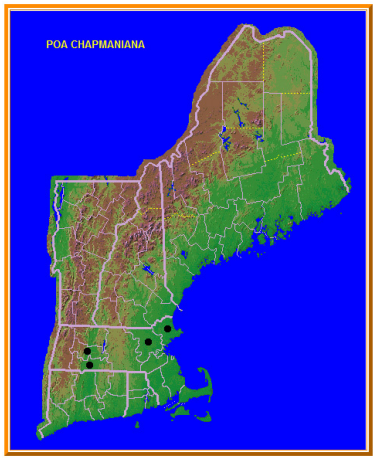
Pluchea odorata (Linnaeus) Cassini var. ***succulenta*** (Fernald) Cronquist - **Saltmarsh Fleabane**. 2n = ?
Salt marshes, sandy shores of coastal ponds, tidal flats. [*P. purpurascens* (Swartz) de Candolle var. *succulenta* Fernald; *P. camphorata* - misapplied]

POA (Family: Poaceae)

Poa alsodes A. Gray - . 2n = ?
Alluvial woods.



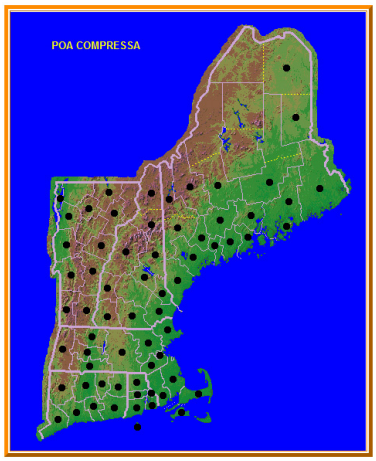


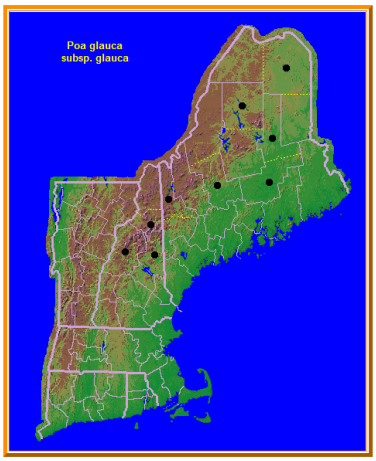


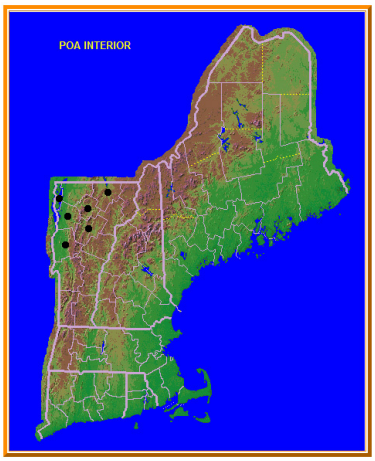
POA ANNUA Linnaeus - **Annual Bluegrass**. 2n = (14), (24-26), 28, (42), (52).
Roadsides, fields, waste places. From Eurasia.

POA BULBOSA Linnaeus subsp. ***BULBOSA*** - **Bulbous Bluegrass**. 2n = 28, 42, 45.
Dry fields. From Eurasia.

POA CHAPMANIANA Scribner - . 2n = ?
Fields, weedy places. From farther south and west.



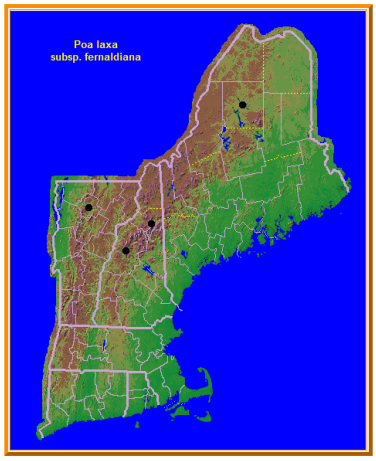


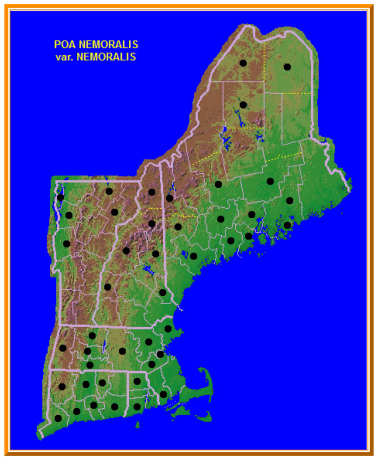


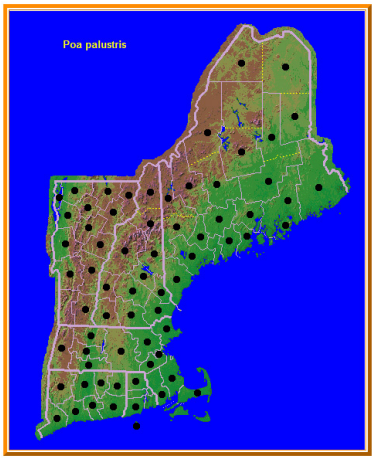
POA COMPRESSA Linnaeus - **Canada Bluegrass**. 2n = (14), (35), 42, (49), (50), (56), (84).
Dry soil, roadsides, waste places. From Eurasia.

Poa glauca Vahl subsp. ***glauca*** - . 2n = 42, 56, (63), (65), 70.
Alpine meadows and ravines.

POA INTERIOR Rydberg - . 2n = 42.
Cliffs, bluffs, calcareous headlands, shores. From farther west.



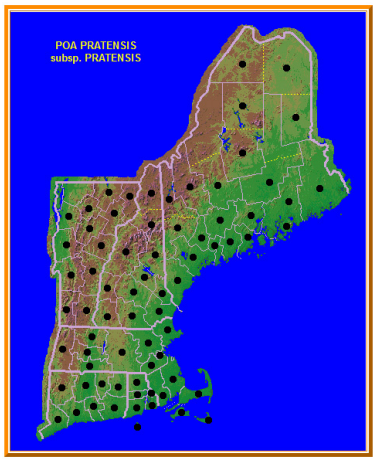


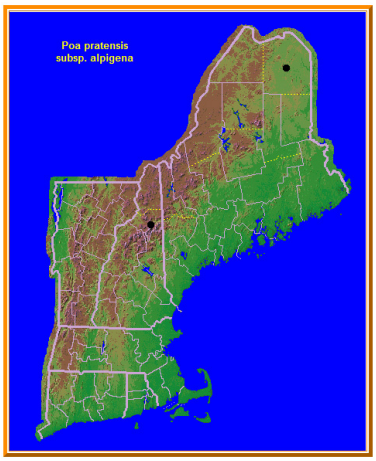


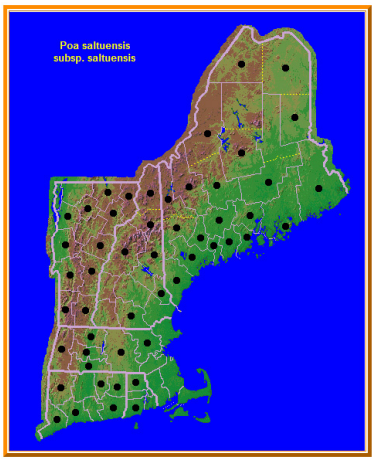
Poa laxa Haenke subsp. ***fernaldiana*** (Nannfeldt) Hylander - . 2n = 42.
Alpine meadows. [*P. fernaldiana* Nannfeldt]

POA NEMORALIS Linnaeus var. ***NEMORALIS*** - **Wood Bluegrass**. 2n = 28, 33, 42, 43, 56.
Dry woods, roadsides. From Europe.

Poa palustris Linnaeus - **Fowl Meadow-grass**. 2n = (14), (21), 28, (29), (30), (42).
Moist woods, shores, swamps, meadows.





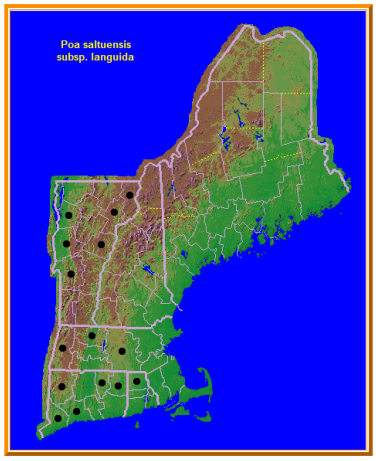


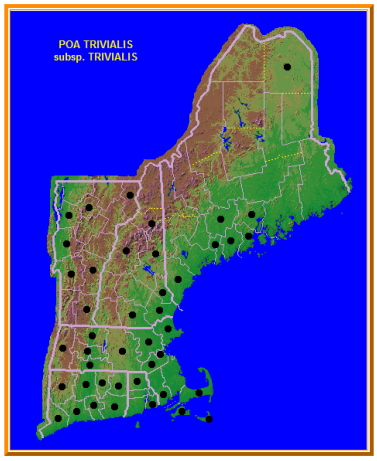
POA PRATENSIS Linnaeus subsp. ***PRATENSIS*** - **Kentucky Bluegrass**. 2n = 28, 42, 43, 44, 48, 49, 50, 51, 52, 54, 56, 58, 59, 62, 65, 66, 67, 74, ca. 85, ca. 86, 88, 89, 90, 95.
Roadsides, fields, meadows. From Europe.

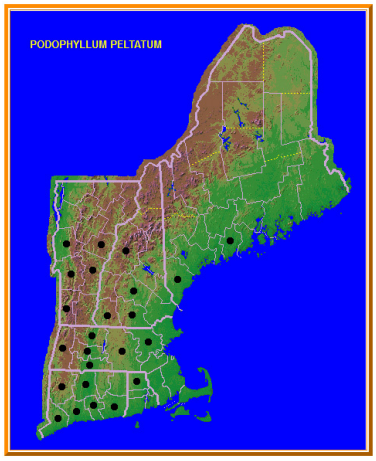
Poa pratensis Linnaeus subsp. ***alpigena*** (Lindman) Hiitonen - . 2n = 28, 32, 35, 42, 43, 48, 50, 53, 56, 60, 63, 64, 65, 67, 68, 69, 70, 72, 73, 74, 76, 77, 78, 79, 82, 83, 84, 86, 88, 89, 92, 94.
Alpine regions. [*P. alpigena* Lindman; *P. arctica* - misapplied]

POA PRATENSIS Linnaeus subsp. ***ANGUSTIFOLIA*** (Linnaeus) Dumortier - . 2n = 28, 30, 42, 46, 48-54, 56, 57, 59-66, 68, 70, 72, 83.
Dry soil in the open. From Europe. [*P. ANGUSTIFOLIA* Linnaeus] Note: This taxon is **not mapped** since we did not distinguish between the subspecies *PRATENSIS* and *ANGUSTIFOLIA* of *P. PRATENSIS* when we recorded specimen data.

Poa saltuensis Fernald & Wiegand subsp. ***saltuensis*** - . 2n = 28.
Rich, usually dry, woods. [*P. saltuensis* var. *microlepis* Fernald]





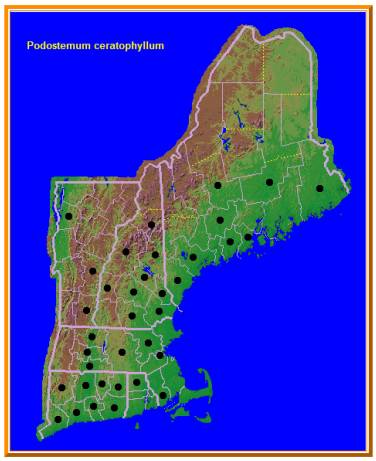


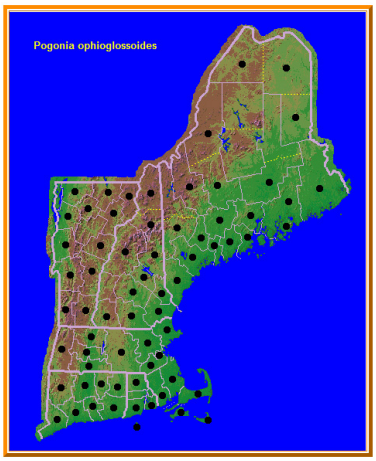
Poa saltuensis Fernald & Wiegand subsp. ***languida*** (Hitchcock) A. Haines - . 2n = ?
Rich, usually dry, rocky woods, cliffs. [*P. debilis* Torrey - illegitimate name; *P. languida* Hitchcock]

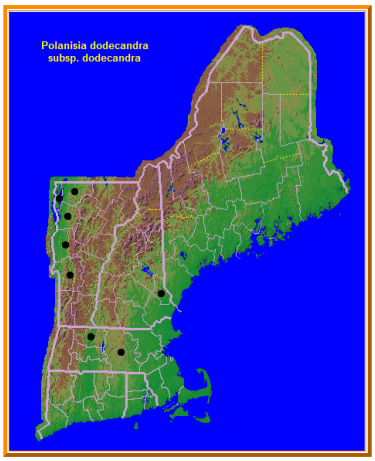
POA TRIVIALIS Linnaeus subsp. ***TRIVIALIS*** - **Rough Bluegrass**. 2n = 14, (28), (72).
Springheads, brook sides, glades. From Eurasia.

PODOPHYLLUM (Family: Berberidaceae)

PODOPHYLLUM PELTATUM Linnaeus - **Mayapple**. 2n = 12, (16), (24).
Moist roadsides, moist fields, meadows, rich woods. From farther south and west, but some populations possibly native.







PODOSTEMUM (Family: Podostemaceae)

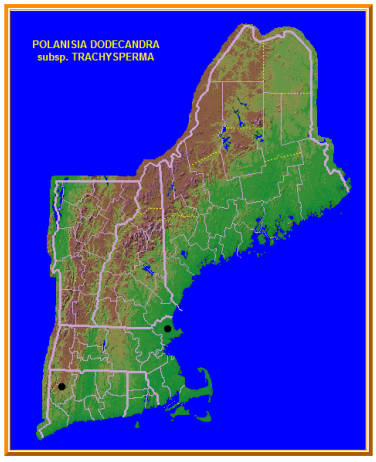
Podostemum ceratophyllum Michaux - **Threadfoot**. 2n = ?
On rocks in rapid current of streams.

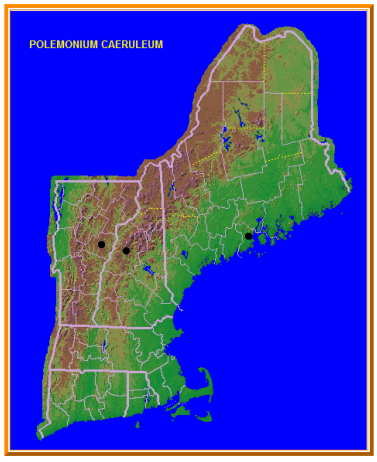
POGONIA (Family: Orchidaceae)

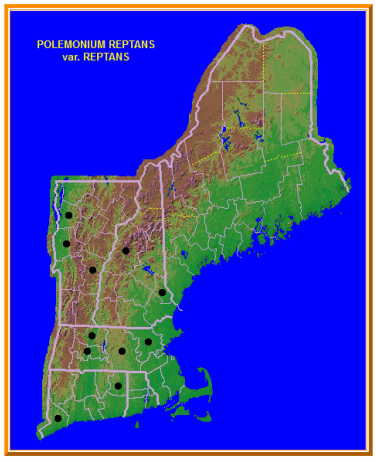
Pogonia ophioglossoides (Linnaeus) Ker Gawler - **Rose Pogonia**. 2n = 18.
Sphagnum bogs, swamps, wet meadows, pond shores, sphagnous thickets.

POLANISIA (Family: Cleomaceae)

Polanisia dodecandra (Linnaeus) de Candolle subsp. ***dodecandra*** - **Clammyweed**. 2n = 20, 22.
Sandy or gravelly shores. [*P. graveolens* Rafinesque]





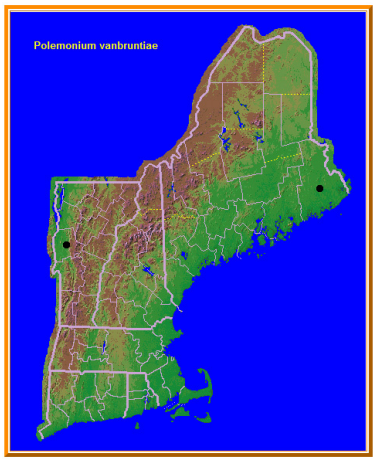


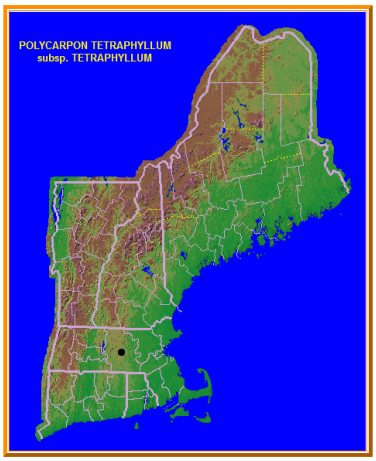
POLANISIA DODECANDRA (Linnaeus) de Candolle subsp. ***TRACHYSPERMA*** (Torrey & A. Gray) Iltis - **Sandyseed**. 2n = 20.
Roadsides. From farther west and south. [*P.TRACHYSPERMA* Torrey & A. Gray]

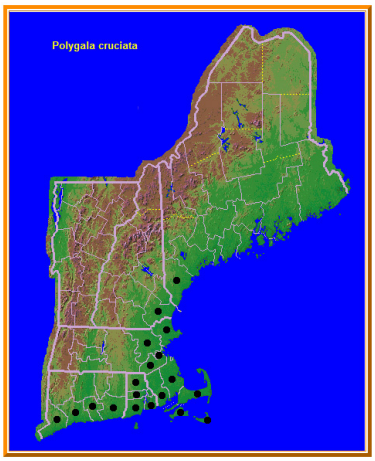
POLEMONIUM (Family: Polemoniaceae)

POLEMONIUM CAERULEUM Linnaeus - **Charity**. 2n = 18.
Cemeteries, roadsides, waste places. From Eurasia.

POLEMONIUM REPTANS Linnaeus var. ***REPTANS*** - . 2n = 18.
Fields, roadsides, marshes, swamps. From farther west and south.







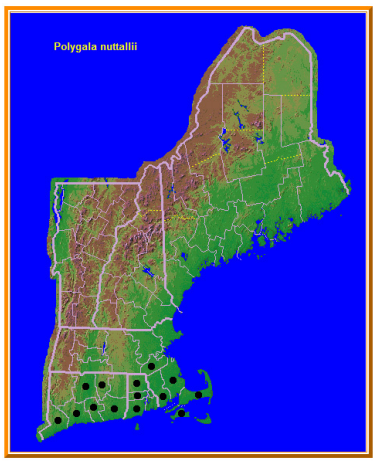
Polemonium vanbruntiae Britton - . 2n = 18.
Bogs, swamps.

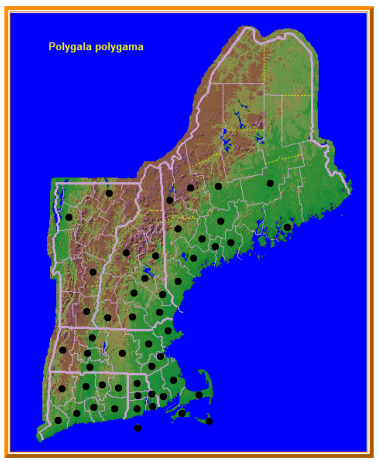
POLYCARPON (Family: Caryophyllaceae)

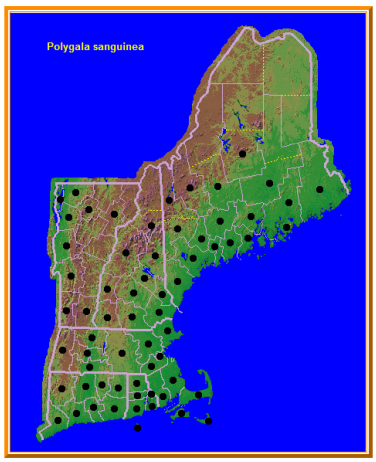
POLYCARPON TETRAPHYLLUM (Linnaeus) Linnaeus subsp. ***TETRAPHYLLUM*** - . 2n = 32, 48, 54, 64.
Waste places. From Mediterranean region.

POLYGALA (Family: Polygalaceae)

Polygala cruciata Linnaeus - . 2n = ?
Meadows, pond shores. marshes, usually in peaty or sandy soil. [*P. cruciata* Linnaeus var. *aquilonia* Fernald & B.G. Schubert]



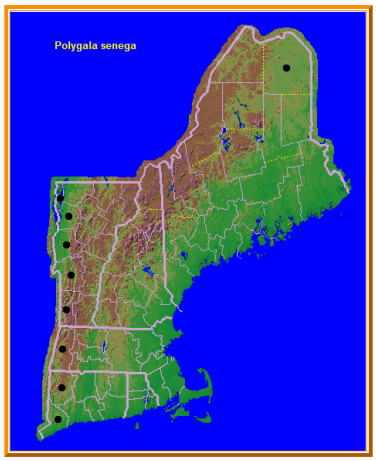


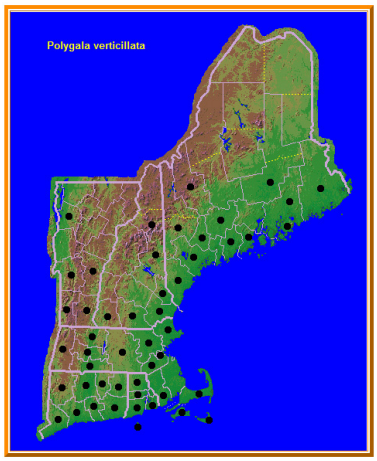


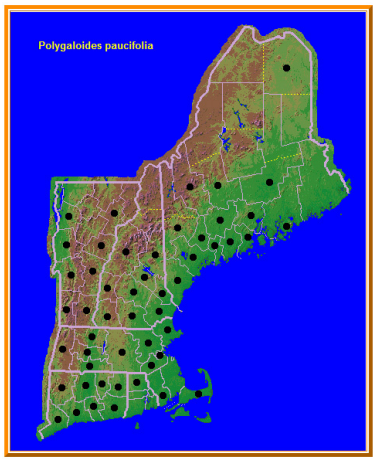
Polygala nuttallii Torrey & A. Gray - . 2n = 46.
Dry, sandy fields, open woodlands, railroads, and other dry, sandy open soil.

Polygala polygama Walter - . 2n = 56.
Fields, woodlands, openings, in dry, sandy soil. [*P. polygama* var. *obtusata* Chodat]

Polygala sanguinea Linnaeus - . 2n = ?
Fields, meadows, other, moist, open, acid soils.





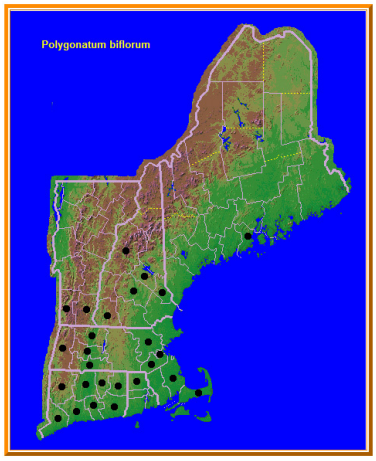


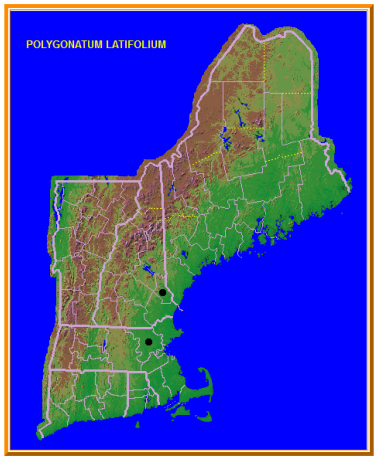
Polygala senega Linnaeus - **Seneca-Snakeroot**. 2n = 34.
River terraces, dry woodlands, dry rocky or gravelly areas, usually in calcareous soil.

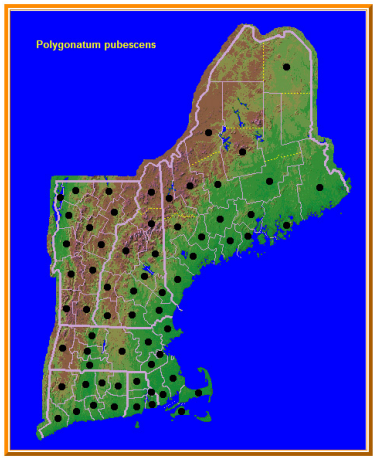
Polygala verticillata Linnaeus - . 2n = 34.
Fields, open, rocky areas, open woodlands, roadsides, railroads, in sterile, often sandy, open soil. [*P. verticillata* Linnaeus var. *ambigua* (Nuttall) Alph. Wood; *P. verticillata* var. *isocycla* Fernald; *P. ambigua* Nuttall]

POLYGALOIDES (Family: Polygalaceae)

Polygaloides paucifolia (Willdenow) J.R. Abbott - **Fringed Polygala**. 2n = 34.
Woodlands, woodland margins, in rich, light soil. [*Polygala paucifolia* Willdenow]





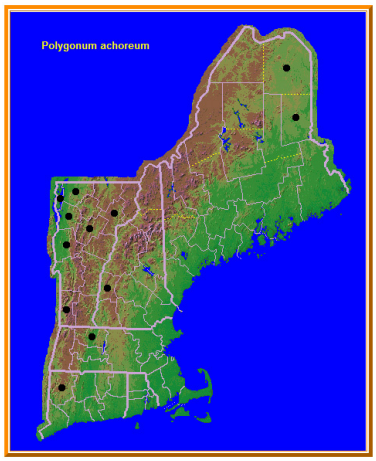


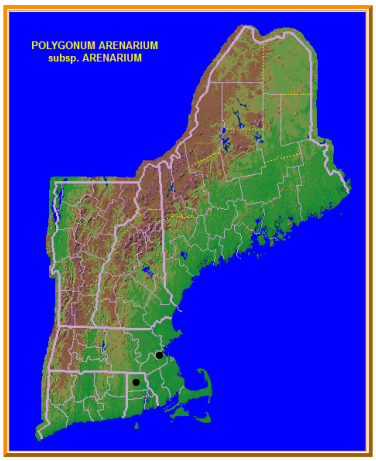
POLYGONATUM (Family: Asparagaceae)

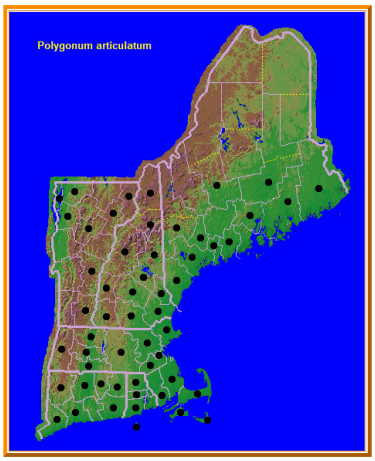
Polygonatum biflorum (Walter) Elliott - **Great Solomon's-seal**. 2n = 20, 40.
Rich or rocky woods, alluvial thickets, riverbanks, hedgerows. [*P. biflorum* var. *commutatum* (Schultes (son)) Morong; *P. canaliculatum* misapplied; *P. commutatum* (Schultes (son)) A. Dietrich]

POLYGONATUM LATIFOLIUM (Jacquin) Desfontaines - . 2n = 18, 20.
Roadside thickets. From Europe.

Polygonatum pubescens (Willdenow) Pursh - **Small Solomon's-seal**. 2n = 20, (40).
Dry to rich woods.





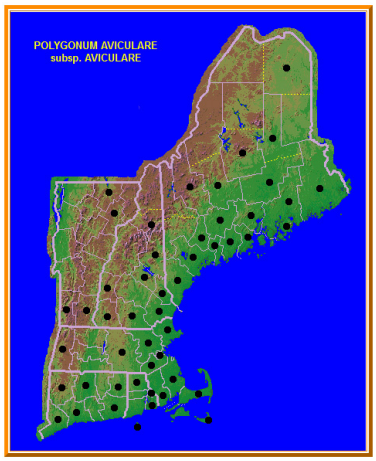


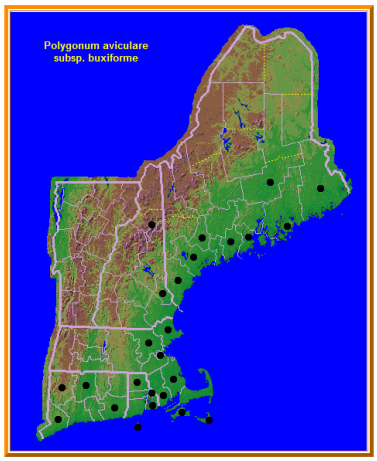
POLYGONUM (Family: Polygonaceae)

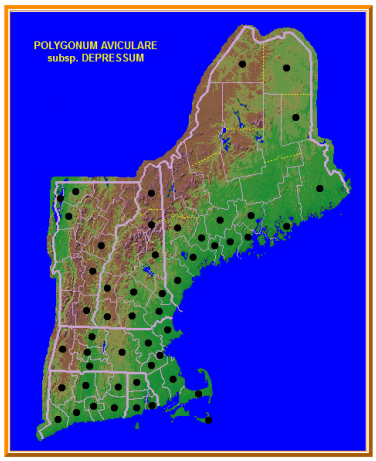
Polygonum achoreum S.F. Blake - **Blue Knotweed**. 2n = 40, 60.
Roadsides, waste places.

POLYGONUM ARENARIUM Waldstein & Kitaibel subsp. ***ARENARIUM*** - **Lesser Red Knotgrass**. 2n = 20.
Waste places. From Eurasia.

Polygonum articulatum Linnaeus - **Northern Jointweed**. 2n = 32.
Dry, sandy wastes, roadsides. [*Polygonella articulata* (Linnaeus) Meisner]



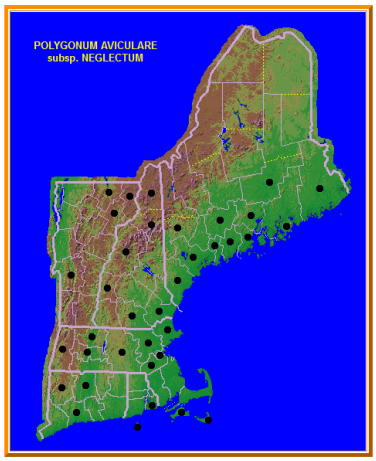


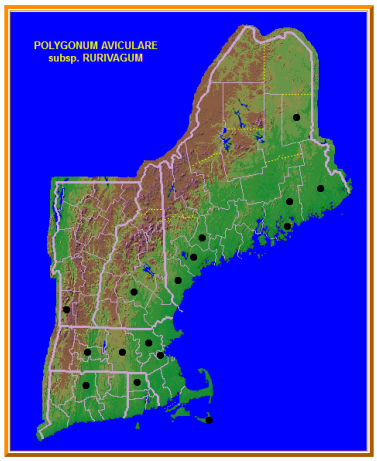


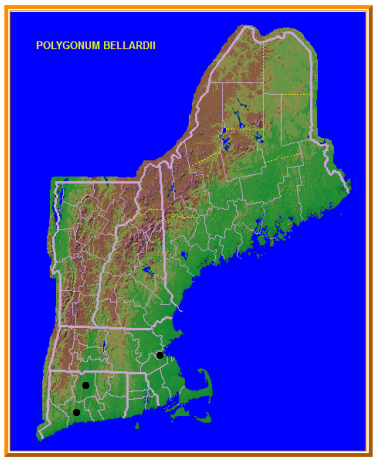
POLYGONUM AVICULARE Linnaeus subsp. ***AVICULARE*** - **Common Knotweed**. 2n = 40, 60.
Waste places, roadsides. From Eurasia. [*P. AVICULARE* var. *VEGETUM* Ledebour]

Polygonum aviculare Linnaeus subsp. ***buxiforme*** (Small) Costea & Tardif - **American Knotweed**. 2n = 60.
Seashores, salt marshes, roadsides, sidewalks, waste places. [*P. aviculare* var. *littorale* - misapplied; *P. buxiforme* Small]

POLYGONUM AVICULARE Linnaeus subsp. ***DEPRESSUM*** (Meisner) Arcangeli - **Doorweed**. 2n = (20), (22), (30), (36), 40, (50), 60.
Roadsides, waste places, fields. From Europe. [*P. AVICULARE* var. *ARENASTRUM* (Boreau) Nyman; *P. ARENASTRUM* Boreau]



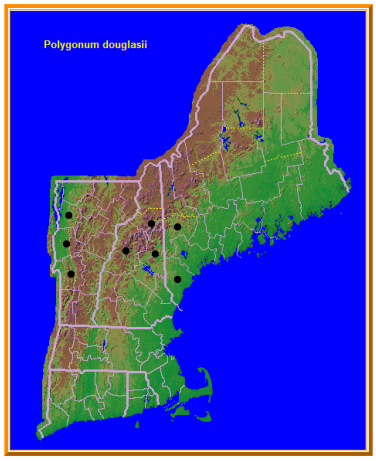


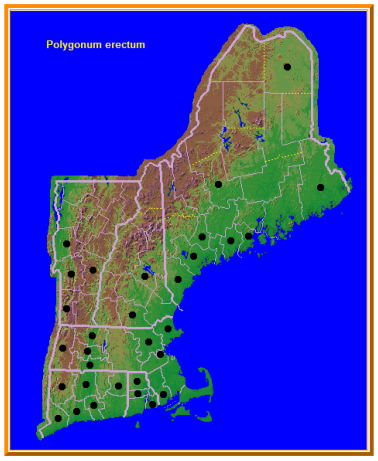


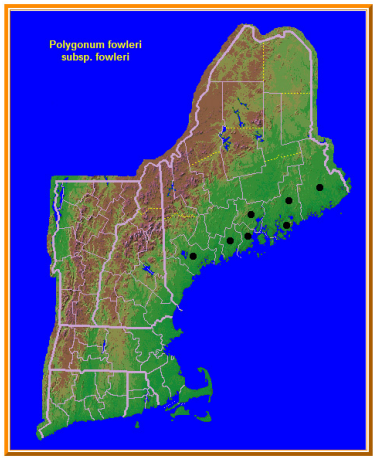
POLYGONUM AVICULARE Linnaeus subsp. ***NEGLECTUM*** (Besser) Arcangeli - . 2n = (20), (30), 40, (50), 60.
Waste places. From Europe. [*P. NEGLECTUM* Besser]

POLYGONUM AVICULARE Linnaeus subsp. ***RURIVAGUM*** (Jordan *ex* Boreau) Berher - **Cornfield Knotgrass**. 2n = 20, 30, 40, 60.
Roadsides, waste places. From Europe. [*P. AVICULARE* var. *ANGUSTISSIMUM* Meisner; *P. RURIVAGUM* Jordan *ex* Boreau]

POLYGONUM BELLARDII Allioni - . 2n = ?
Waste places. From Europe.



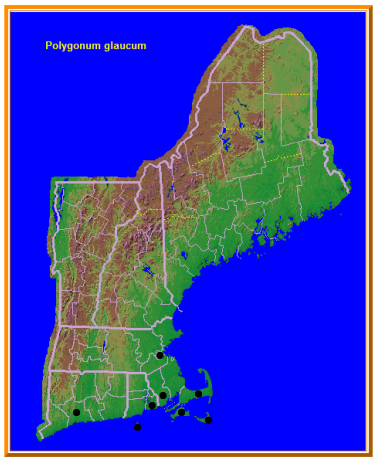


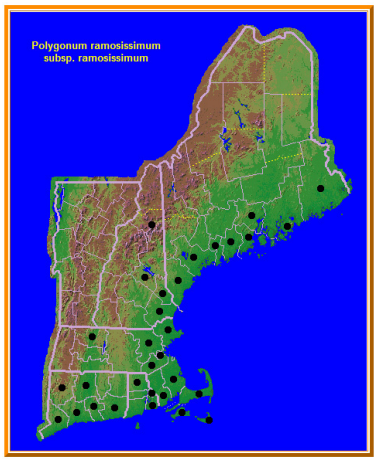


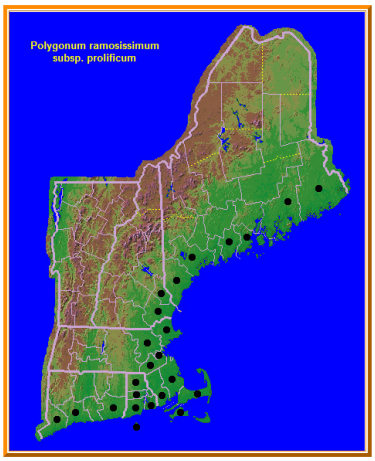
Polygonum douglasii Greene - . 2n = 40.
Dry soil on ledges.

Polygonum erectum Linnaeus - . 2n = ?
Dry, waste places.

Polygonum fowleri B.L. Robinson subsp. ***fowleri*** - . 2n = 40, 60.
Seashores. [*P. allocarpum* S.F. Blake]



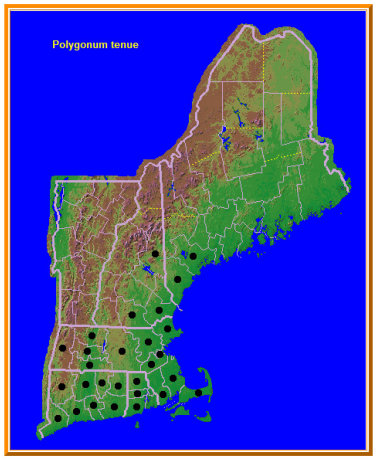


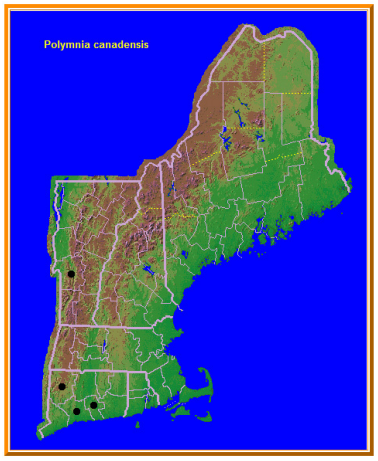


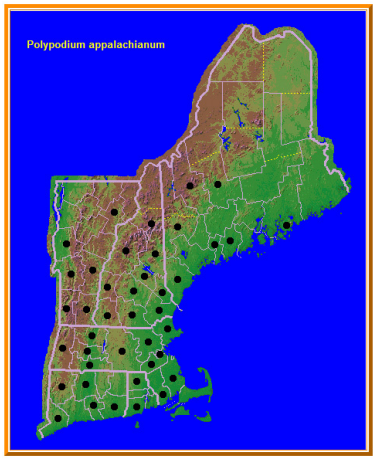
Polygonum glaucum Nuttall - **Seabeach Knotweed**. 2n = 40.
Sea beaches, salty, pond shores, dune hollows.

Polygonum ramosissimum Michaux subsp. ***ramosissimum*** - **Bushy Knotweed**. 2n = 60.
Salt marshes, sea beaches, waste places, roadsides. [*P. exsertum* Small]

Polygonum ramosissimum Michaux subsp. ***prolificum*** (Small) Costea & Tardif - . 2n = 60.
Salt marshes, saline shores. [*P. prolificum* (Small) B.L. Robinson]







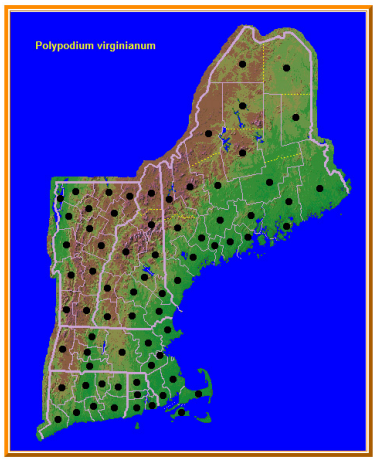
Polygonum tenue Michaux - **Pleat-leaved Knotweed**. 2n = 20.
Dry, acid, open soil.

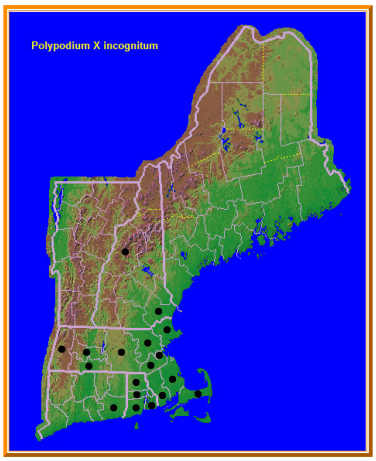
POLYMNIA (Family: Asteraceae)

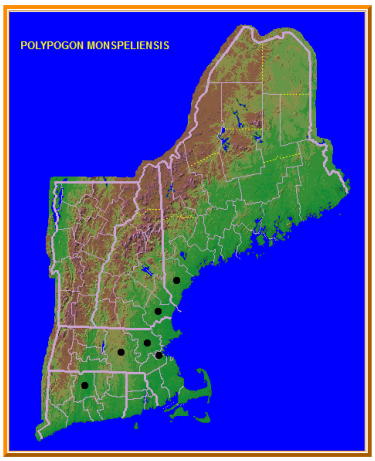
Polymnia canadensis Linnaeus - . 2n = 30.
Damp, calcareous woods.

POLYPODIUM (Family: Polypodiaceae)

Polypodium appalachianum Haufler & Windham - **Appalachian Polypody**. 2n = 74.
Cliffs and rocky slopes.







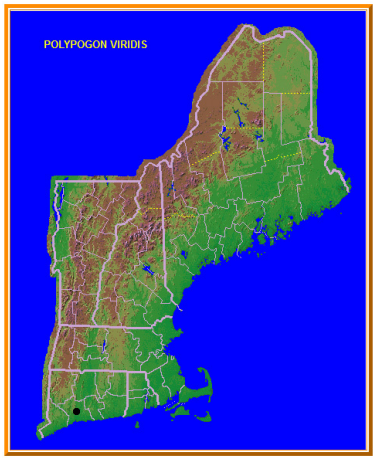
Polypodium virginianum Linnaeus - **Common Polypody**. 2n = 74, (111), 148.
On rocks, cliffs, tree bases, rocky (occasionally sandy) slopes, usually in acid soils. *[P. vulgare* Linnaeus var. *virginianum* (Linnaeus) Eaton]

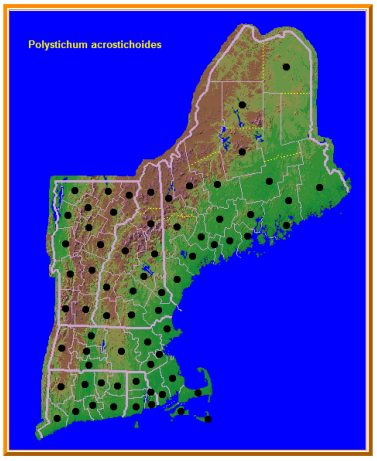
***Polypodium* hybrid**

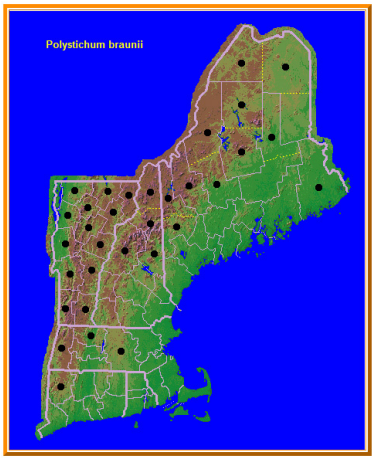
Polypodium X ***incognitum*** Cusick - .
[*P. appalachianum* Haufler & Windham X *P. virginianum* Linnaeus]

POLYPOGON (Family: Poaceae)

POLYPOGON MONSPELIENSIS (Linnaeus) Desfontaines - **Rabbitfoot Grass**. 2n = (14), (26), 28, (35), (42).
Wool waste, waste places. From Europe.





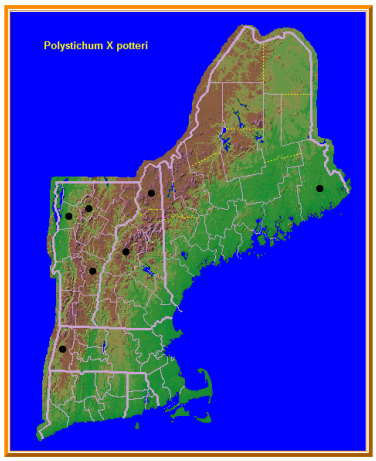


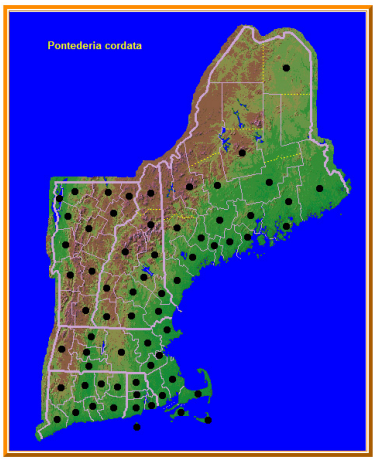
POLYPOGON VIRIDIS (Gouan) Breistroffer - **Water-bent Grass**. 2n = 28.
Waste places. From Eurasia, northern Africa.

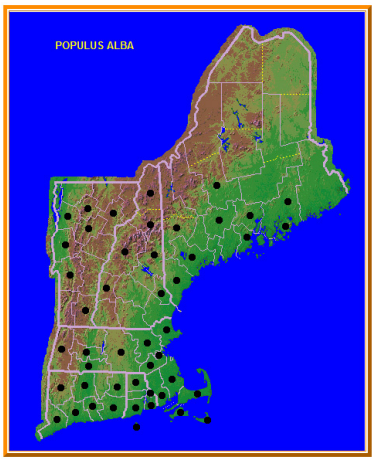
POLYSTICHUM (Family: Dryopteridaceae)

Polystichum acrostichoides (Michaux) Schott - **Christmas Fern**. 2n = 82.
Rocky woods and slopes, occasionally swamps.

Polystichum braunii (Spenner) Fée - **Braun's Holly Fern**. 2n = 164.
Cool, damp, rocky woods, ravines, and banks in circumneutral soils. [*P. braunii* var. *purshii* Fernald; *P. braunii* subsp. *purshii* (Fernald) Calder & Roy L. Taylor]







***Polystichum* hybrid**

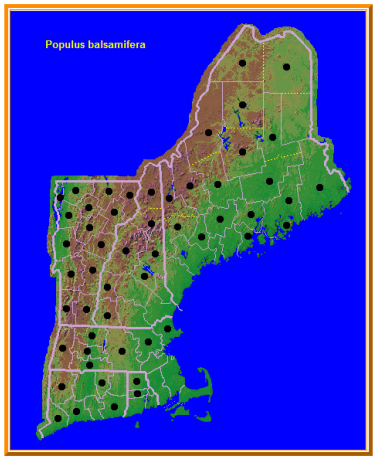
Polystichum* X *potteri Barrington - .
[*P. acrostichoides* (Michaux) Schott X *P. braunii* (Spenner) Fée]

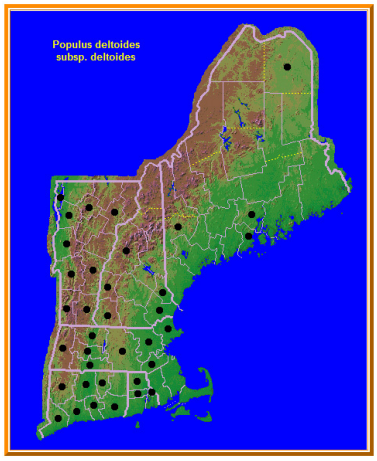
PONTEDERIA (Family: Pontederiaceae)

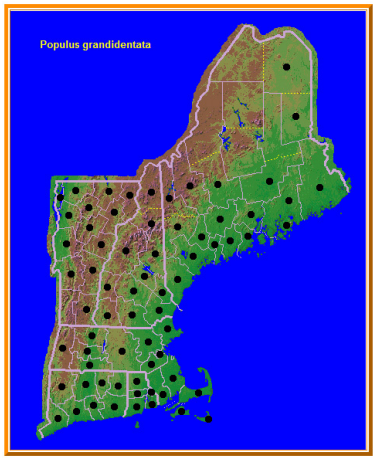
Pontederia cordata Linnaeus - **Pickerelweed**. 2n = 16.
Shallow water of ponds, lakes and river shores, rooting in mud.

POPULUS (Family: Salicaceae)

POPULUS ALBA Linnaeus - **White Poplar**. 2n = 38, (40), (45), (57).
Roadsides, waste places, field borders. From Eurasia.



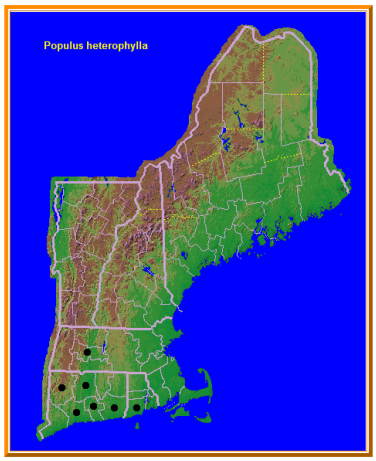


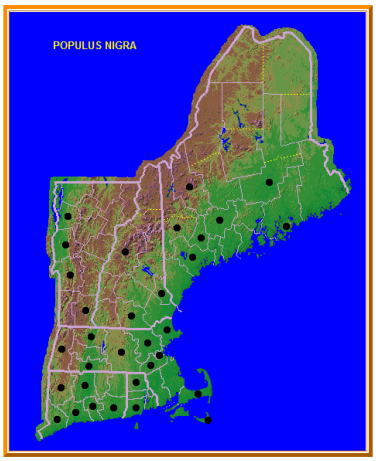


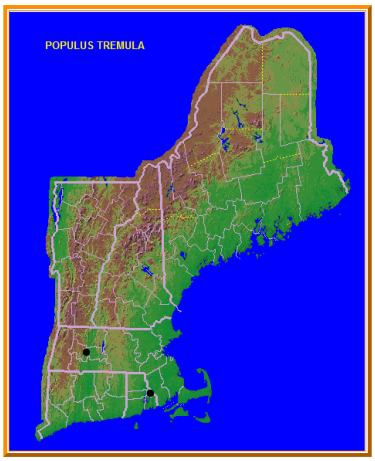
Populus balsamifera Linnaeus - **Balsam Poplar**. 2n = 38.
Alluvial soils, streambanks, rich, low woods. [*P. balsamifera* var. *subcordata* Hylander]

Populus deltoides W. Bartram *ex* Marshall subsp. ***deltoides*** - **Cottonwood**. 2n = 38.
Streambanks, lake shores, floodplains.

Populus grandidentata Michaux - **Bigtooth Aspen**. 2n = 38.
Dry woods, recent burns, hillsides.



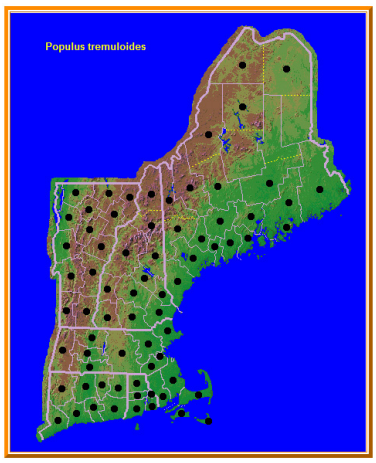


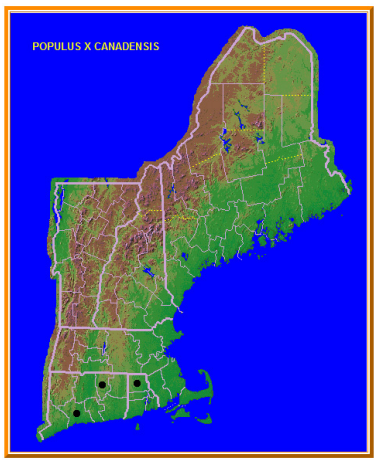


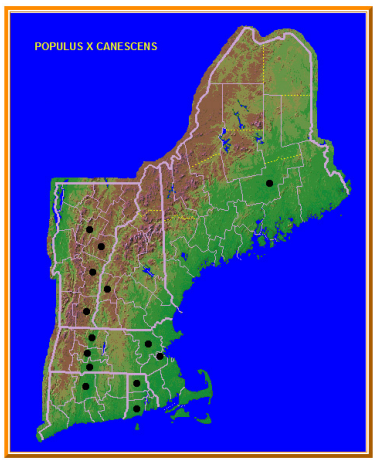
Populus heterophylla Linnaeus - **Swamp Poplar**. 2n = ?
Swamps, flooded bottomlands.

POPULUS NIGRA Linnaeus - **Lombardy Poplar**. 2n = 38, (57).
Roadsides, old house sites. From Eurasia. [*P. NIGRA* var. *ITALICA* Münchhausen]

POPULUS TREMULA Linnaeus - **European Aspen**. 2n = 38, (57).
Waste places. From Eurasia.





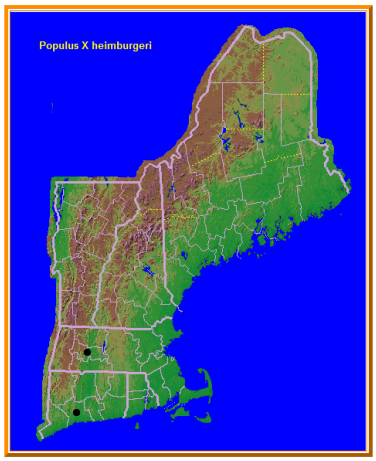


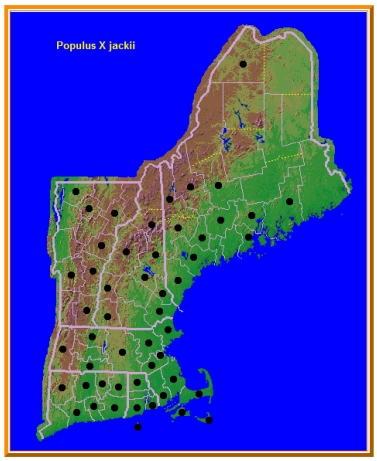
Populus tremuloides Michaux - **Quaking Aspen**. 2n = 38, (57), (76).
Dry, open woods, recent burns and clearings, roadsides. [*P. tremuloides* var. *magnifica* Victorin]

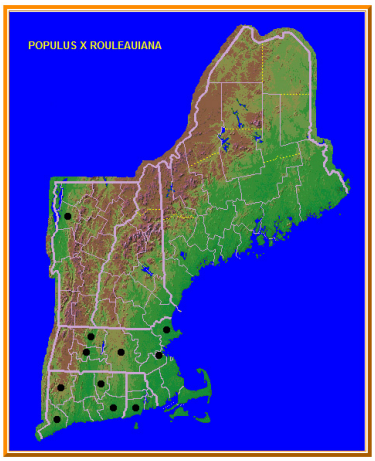
Populus hybrids

POPULUS X ***CANADENSIS*** Moench (*pro species*) - .
[*P. deltoides* W. Bartram *ex* Marshall X *P. NIGRA* Linnaeus]

POPULUS X ***CANESCENS*** (Aiton) Smith (*pro species*) - **Gray Poplar**.
[*P. ALBA* Linnaeus X *P. TREMULA* Linnaeus]



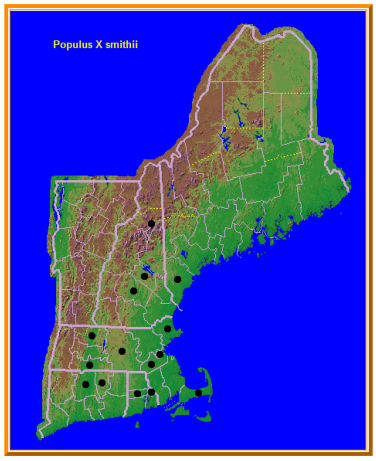


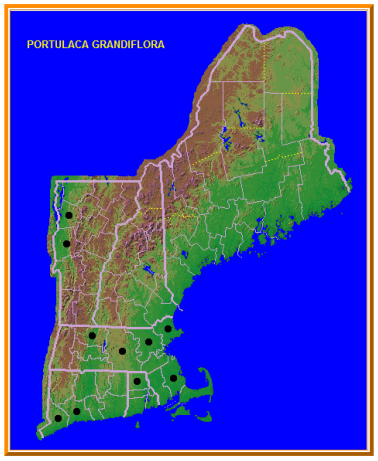


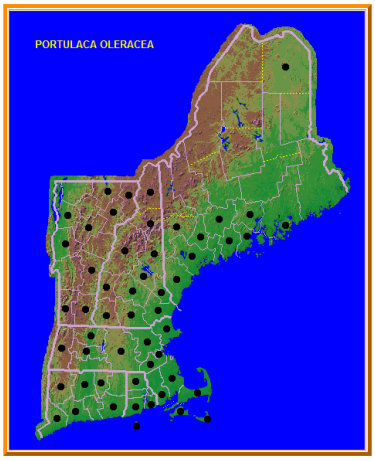
Populus X ***heimburgeri*** B. Boivin - .
[*P. ALBA* Linnaeus X *P. tremuloides* Michaux]

Populus X ***jackii*** Sargent - **Balm-of-Gilead**.
[*P. balsamifera* Linnaeus X *P. deltoides* W. Bartram *ex* Marshall; *P.* X *gileadensis* Rouleau]

POPULUS X ***ROULEAUIANA*** B. Boivin - .
[*P. ALBA* Linnaeus X *P. grandidentata* Michaux]





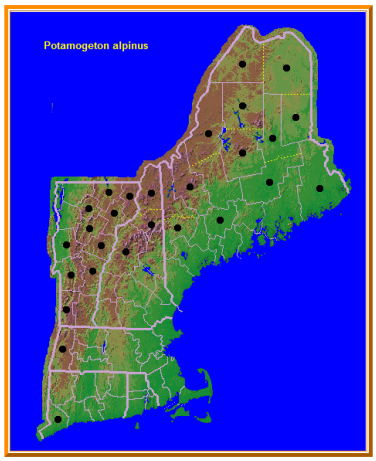


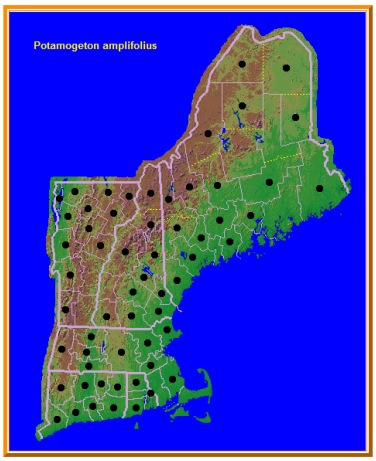
Populus X ***smithii*** B. Boivin - .
[*P. grandidentata* Michaux X *P. tremuloides* Michaux]

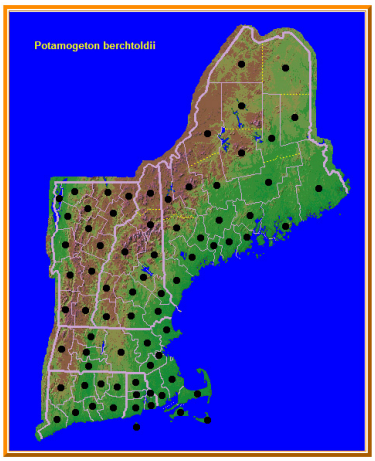
PORTULACA (Family: Portulacaceae)

PORTULACA GRANDIFLORA Hooker - **Moss-rose**. 2n = (10), 18, (36).
Dumps, waste places. From South America.

PORTULACA OLERACEA Linnaeus - **Common Purslane**. 2n = (14), (18), (24), (36), (45), (48), (52), 54.
Waste places, fields. From Europe.





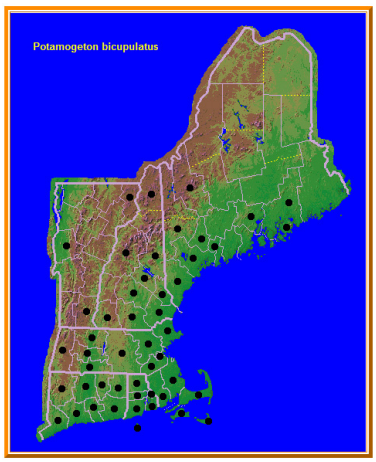


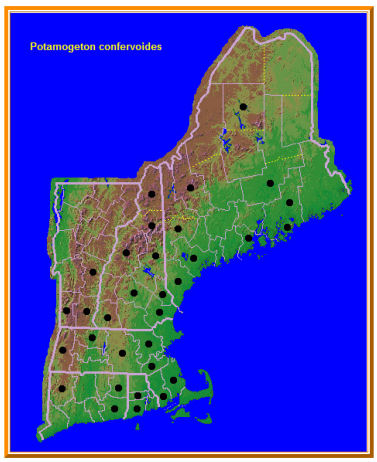
POTAMOGETON (Family: Potamogetonaceae)

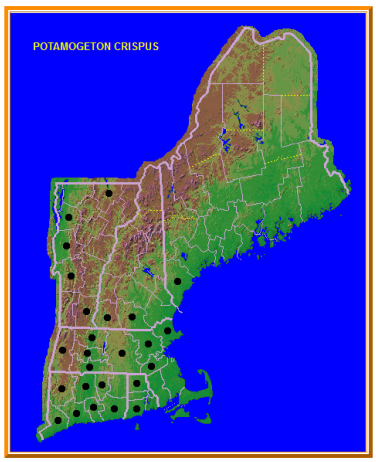
Potamogeton alpinus Balbis - **Red Pondweed**. 2n = 26, 52.
Slow-moving streams, shallow water of ponds and lakes. [*P. alpinus* var. *subellipticus* (Fernald) Ogden; *P. alpinus* var. *tenuifolius* (Rafinesque) Ogden]

Potamogeton amplifolius Tuckerman - . 2n = 52.
Deep water of lakes and river coves.

Potamogeton berchtoldii Fieber - . 2n = 26.
Quiet, shallow water of ponds and streams. [*P. berchtoldii* Fieber var. *acuminatus* Fieber; *P. berchtoldii* Fieber var. *lacunatus* (Hagström) Fernald; *P. berchtoldii* Fieber var. *polyphyllus* (Morong) Fernald; *P. berchtoldii* Fieber var. *tenuissimus* (Mertens & W.D.J. Koch) Fernald; *P. pusillus* Linnaeus subsp. *tenuissimus* (Mertens & W.D.J. Koch) R.R. Haynes & Hellquist]



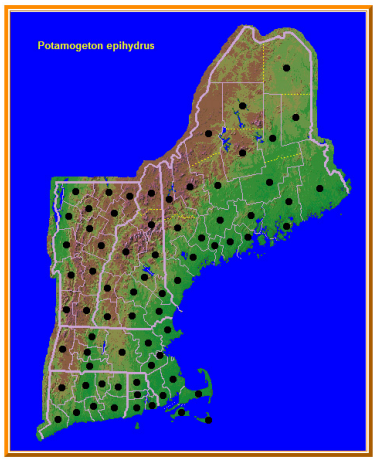


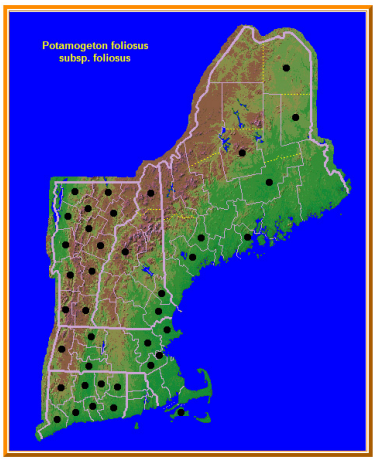


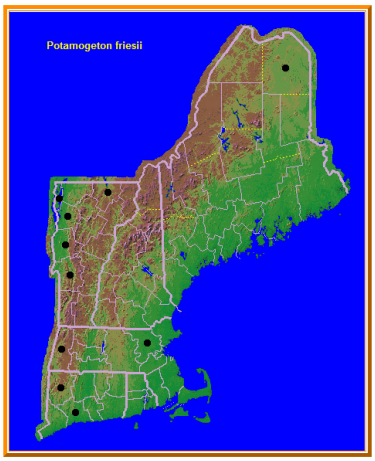
Potamogeton bicupulatus Fernald - . 2n = ?
Acidic, shallow water of rivers and ponds. [*P. diversifolius* Rafinesque var. *trichophyllus* Morong; *P. capillaceus* Poiret (in part)]

Potamogeton confervoides Reichenbach - **Alga Pondweed**. 2n = ?
Acid sandy or sphagnous ponds, mountain pools and lakes.

POTAMOGETON CRISPUS Linnaeus - **Curly Pondweed**. 2n = (26), (36), (42), (50), 52, (56), (72), (78).
Shallow, basic or brackish water. From Eurasia. northern Africa.



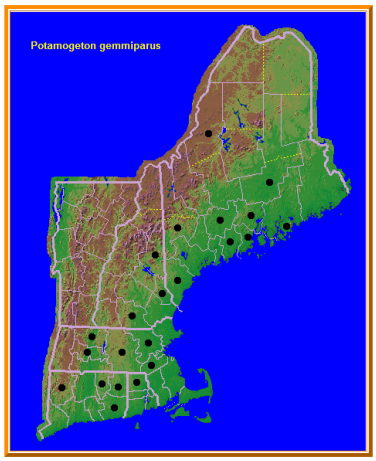


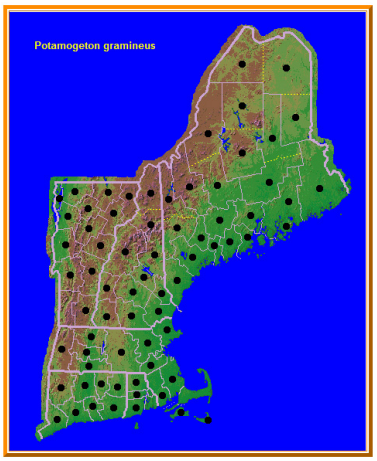


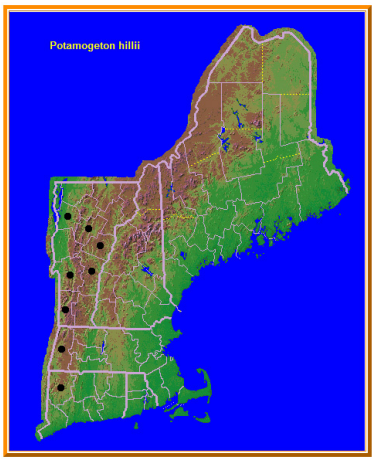
Potamogeton epihydrus Rafinesque - **Ribbonleaf Pondweed**. 2n = 26.
Shallow, quiet or moving water. [*P. epihydrus* var. *nuttallii* (Chamisso & Schlechtendahl) Fernald; *P. epihydrus* var. *ramosus* (Peck) House]

Potamogeton foliosus Rafinesque subsp. ***foliosus*** - **Leafy Pondweed**. 2n = 14, 28, 30.
Still, basic water of ponds, lakes and streams. [*P. foliosus* var. *macellus* Fernald]

Potamogeton friesii Ruprecht - . 2n = 26.
Alkaline, deep water of lakes and ponds.



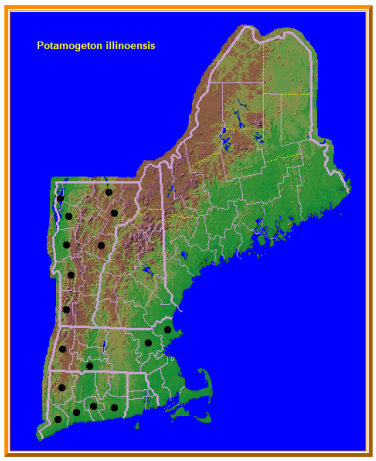


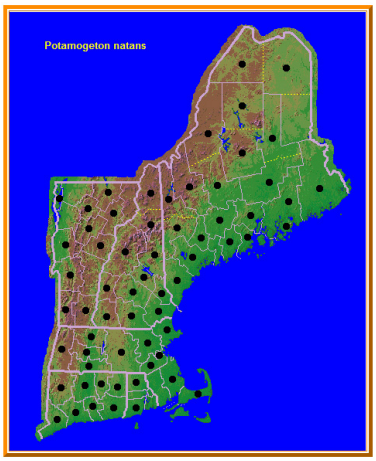


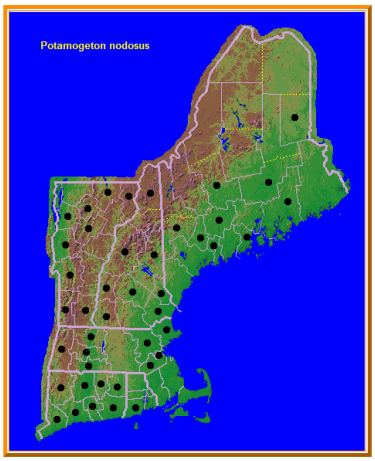
Potamogeton gemmiparus J.W. Robbins *ex* Morong - . 2n = ?
Quiet, acidic water of ponds and streams. [*P. berchtoldii* Fieber subsp. *gemmiparus* (J.W. Robbins) Les & Tippery; *P. pusillus* Linnaeus subsp. *gemmiparus* (J.W. Robbins) R.R. Haynes & Hellquist]

Potamogeton gramineus Linnaeus - . 2n = 52.
Still or flowing water, often in deep water. [*P. gramineus* var. *maximus* Morong; *P. gramineus* var. *myriophyllus* J.W. Robbins]

Potamogeton hillii Morong - . 2n = ?
Alkaline water of ponds and streams.



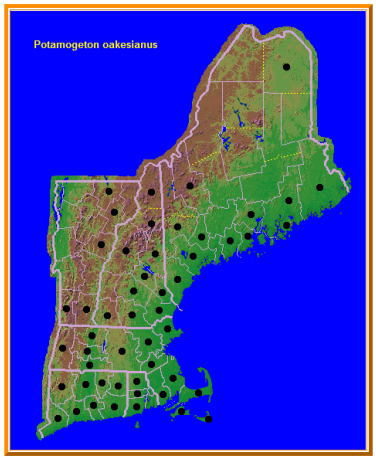


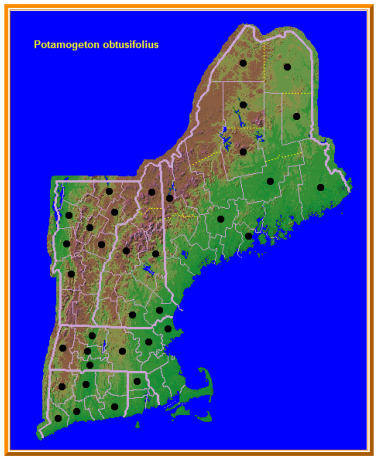


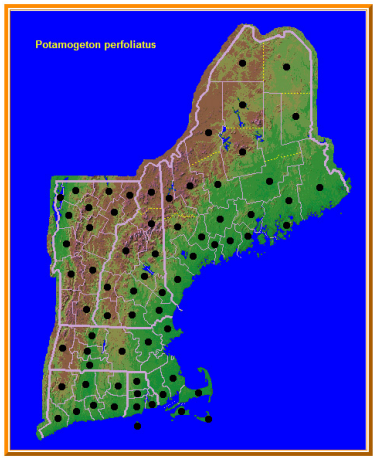
Potamogeton illinoensis Morong - . 2n = 104.
Alkaline water of ponds and streams.

Potamogeton natans Linnaeus - **Floating Pondweed**. 2n = (42), 52, (195).
Ponds and slow streams.

Potamogeton nodosus Poiret - **Longleaf Pondweed**. 2n = 52.
Streams, lakes, ponds.



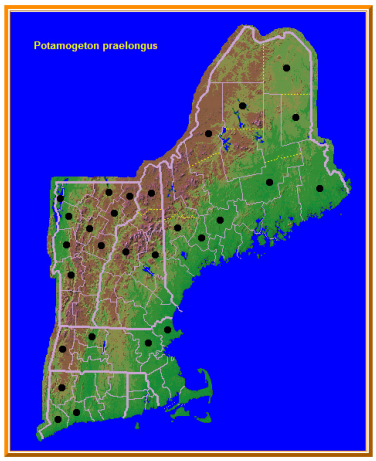


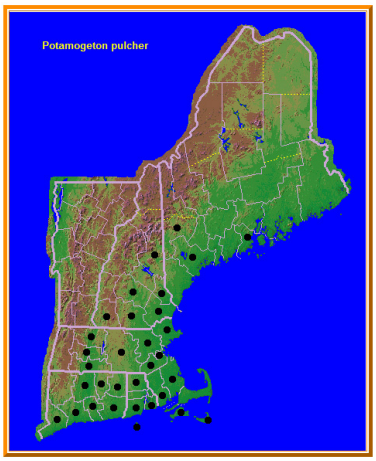


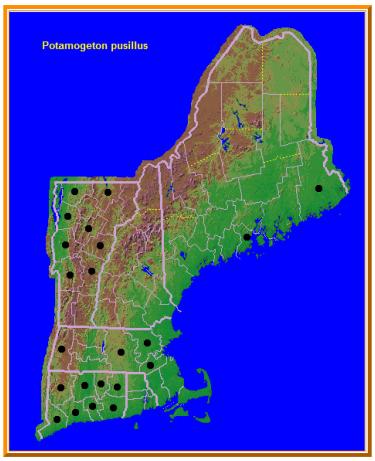
Potamogeton oakesianus J.W. Robbins *ex* A. Gray - **Oakes Pondweed**. 2n = ?
Acidic ponds and lakes.

Potamogeton obtusifolius Mertens & W.D.J. Koch - . 2n = 26.
Quiet, usually cold, basic water.

Potamogeton perfoliatus Linnaeus - **Redhead-grass**. 2n = (14), (26), (48), 52, 78.
Shallow water. [*P. perfoliatus* var. *bupleuroides* (Fernald) Farwell]



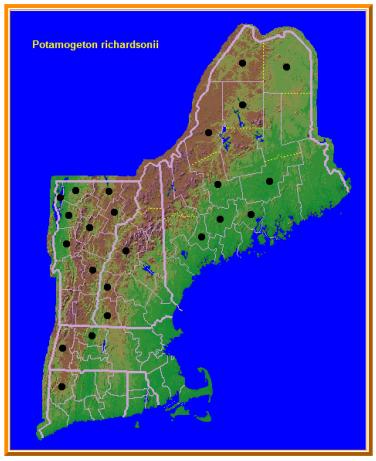


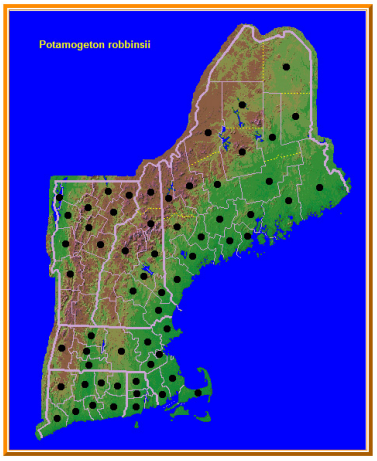


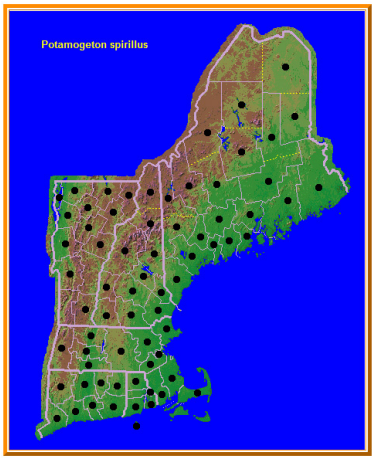
Potamogeton praelongus Wulfen - **White-stem Pondweed**. 2n = 52.
Moderately alkaline, still, usually deep water.

Potamogeton pulcher Tuckerman - **Spotted Pondweed**. 2n = ?
Acidic, shallow water of ponds and muddy shores.

Potamogeton pusillus Linnaeus - . 2n = 26, (28), (52).
Alkaline water of ponds and streams. [*P. pusillus* var. *minor* (Bivona-Bivardi *ex* Gussone) Fernald & B.G. Schubert]



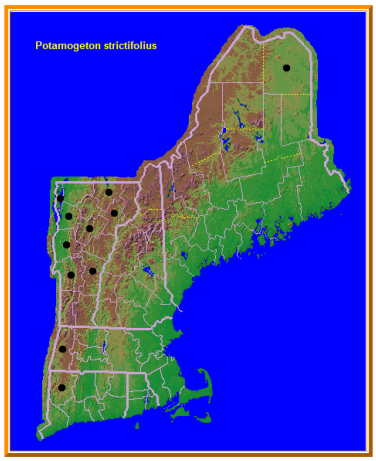


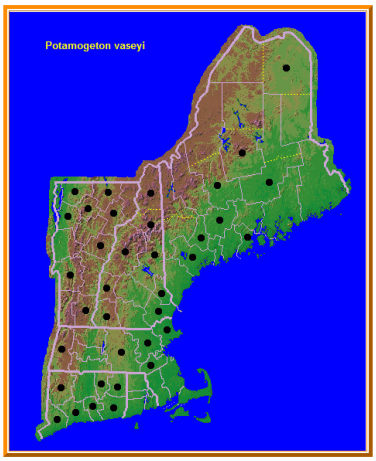


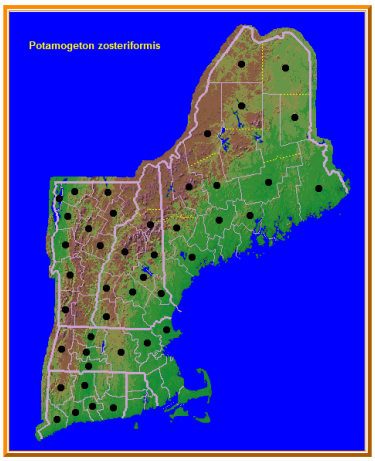
Potamogeton richardsonii (A. Bennett) Rydberg - **Redhead Pondweed**. 2n = 26, 52.
Alkaline water of lakes and streams.

Potamogeton robbinsii Oakes - **Fern Pondweed**. 2n = 52.
Ponds, lakes and slow streams, often in deep water.

Potamogeton spirillus Tuckerman - **Northern Snailseed Pondweed**. 2n = ?
Neutral to acidic, quiet water of ponds and streams.



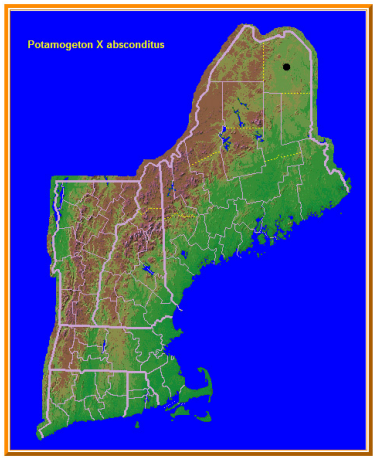


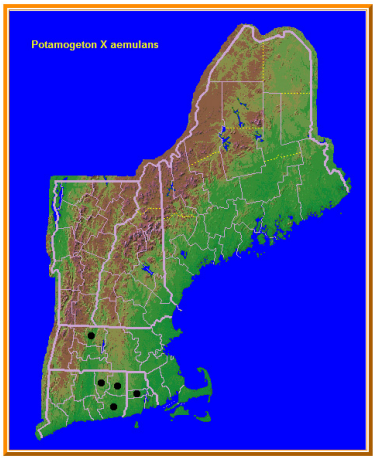


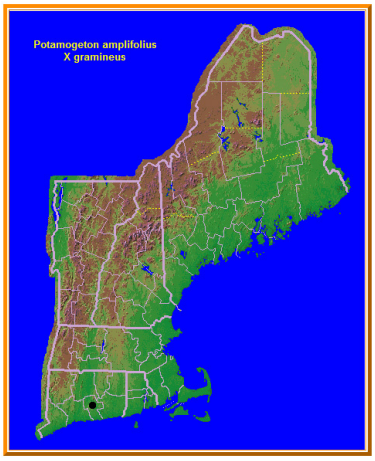
Potamogeton strictifolius A. Bennett - . 2n = 26.
Alkaline water of lakes and slow streams. [*P. strictifolius* var. *rutiloides* Fernald]

Potamogeton vaseyi J.W. Robbins *ex* A. Gray - **Vasey's Pondweed**. 2n = 28.
Quiet water of ponds and streams of low to moderate alkalinity. [*P. lateralis* Morong]

Potamogeton zosteriformis Fernald - **Flatstem Pondweed**. 2n = 26, 52.
Quiet, often alkaline water of ponds and slow streams.





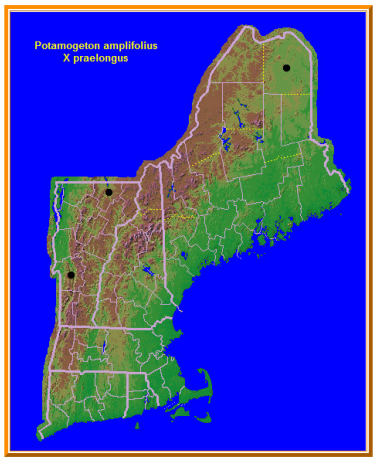


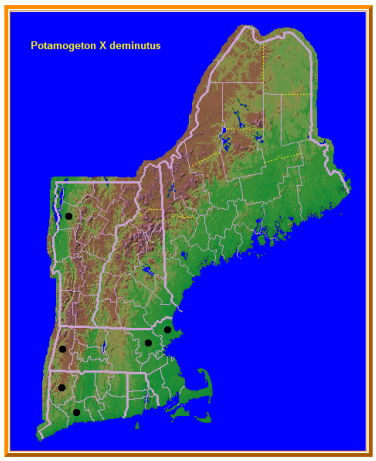
***Potamogeton* hybrids**

Potamogeton X ***absconditus*** Z. Kaplan, Fehrer & Hellquist - .
[*P. perfoliatus* Linnaeus X *P. richardsonii* (A. Bennett) Rydberg]

Potamogeton X ***aemulans*** Z. Kaplan, Hellquist & Fehrer - .
[*P. bicupulatus* Fernald X *P. epihydrus* Rafinesque; *P. diversifolius* misapplied]

Potamogeton amplifolius Tuckerman X ***P. gramineus*** Linnaeus - .

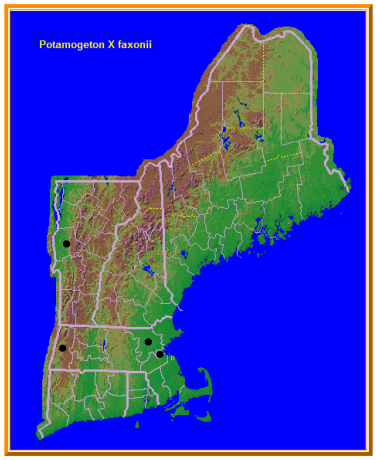


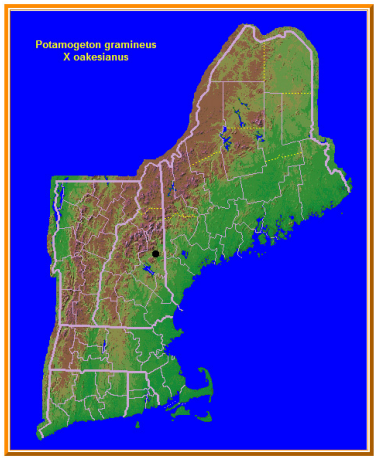


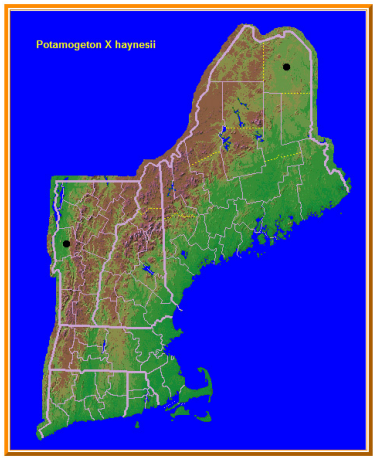
Potamogeton amplifolius Tuckerman X ***P. praelongus*** Wulfen - .

Potamogeton X ***argutulus*** Hagström - .
[*P. gramineus* Linnaeus X *P. nodosus* Poiret]

Potamogeton X ***deminutus*** Hagström - .
[*P. gramineus* Linnaeus X *P. illinoensis* Morong; *P.* X *spathuliformis* misapplied]



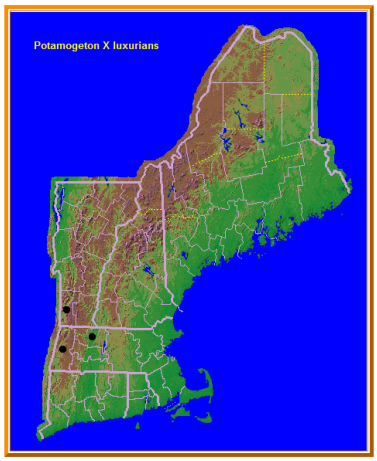




Potamogeton X ***faxonii*** Morong (*pro species*) - .
[*P. illinoensis* Morong X *P. nodosus* Poiret]

Potamogeton gramineus Linnaeus X ***P. oakesianus*** J.W. Robbins *ex* A. Gray - .
[*P.* X *mirabilis* Z. Kaplan, Hellquist & Fehrer -- illegitimate name]

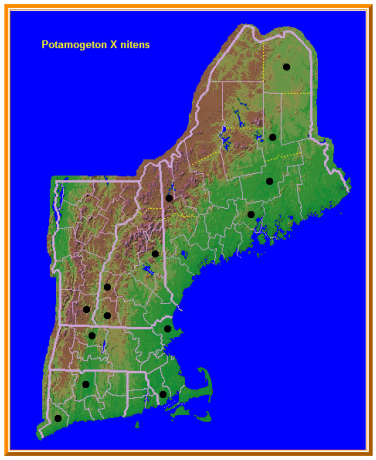
Potamogeton X ***haynesii*** Hellquist & G.E. Crow - .
[*P. strictifolius* A. Bennett X *P. zosteriformis* Fernald; *P. longiligulatus* misapplied]

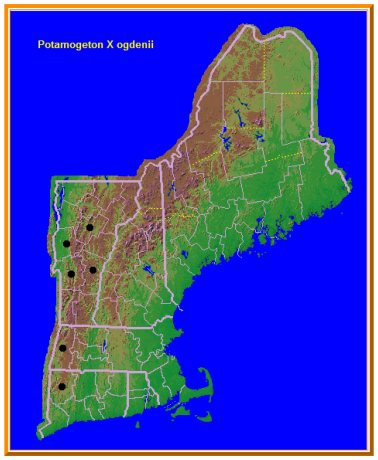


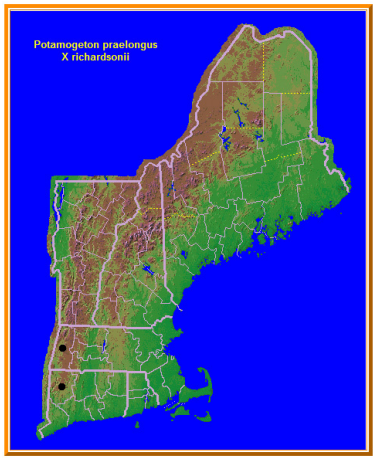
Potamogeton illinoensis Morong X ***P. richardsonii*** (A. Bennett) Rydberg - .

Potamogeton X ***luxurians*** Z. Kaplan - .
[*P. amplifolius* Tuckerman X *P. illinoensis* Morong; *P.* X *scoliophyllus* misapplied]

Potamogeton X ***mysticus*** Morong (*pro species*) - .
[*P. berchtoldii* Fieber X *P. perfoliatus* Linnaeus]



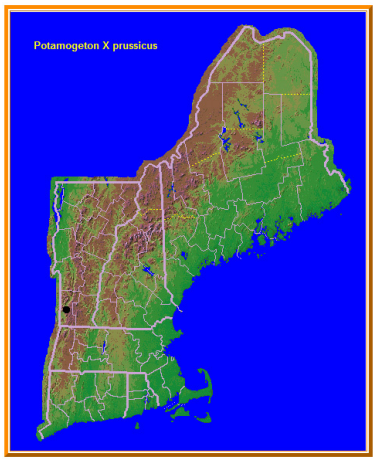


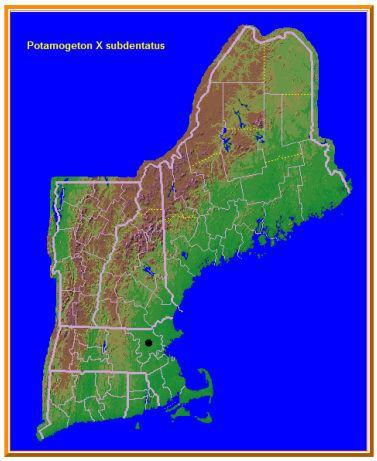


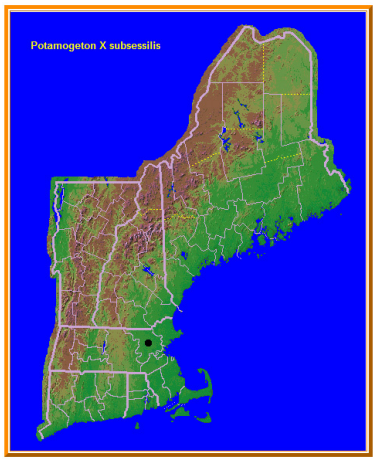
Potamogeton X ***nitens*** G. Weber (*pro species*) - .
[*P. gramineus* Linnaeus X *P. perfoliatus* Linnaeus]

Potamogeton X ***ogdenii*** Hellquist & R.L. Hilton (*pro species*) - .
[*P. hillii* Morong X *P. zosteriformis* Fernald]

Potamogeton praelongus Wulfen X ***P. richardsonii*** (A. Bennett) Rydberg - .



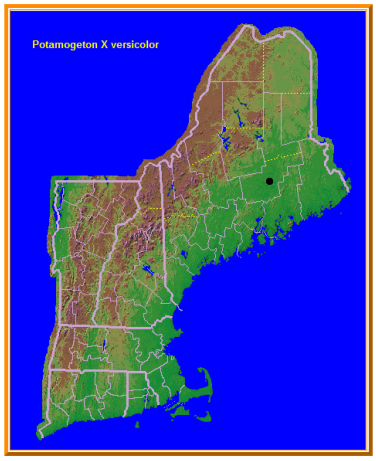


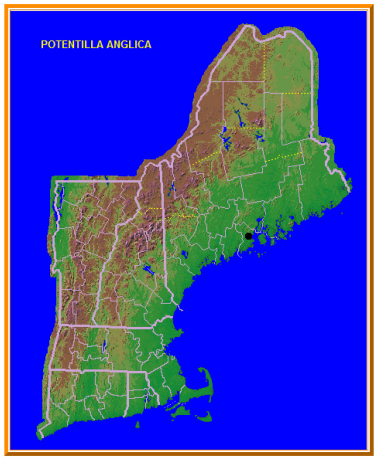


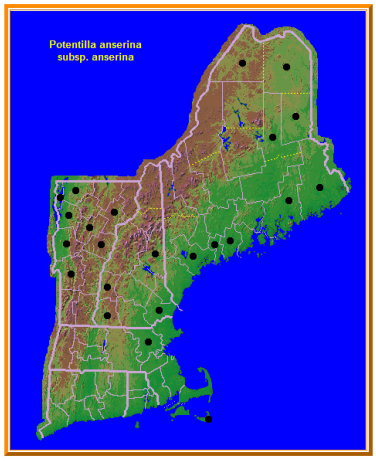
Potamogeton X ***prussicus*** Hagström - .
[*P. alpinus* Balbis X *P. perfoliatus* Linnaeus]

Potamogeton X ***subdentatus*** Hagström - .
[*P. illinoensis* Morong X *P. perfoliatus* Linnaeus]

Potamogeton X ***subsessilis*** Hagström - .
[*P. epihydrus* Rafinesque X *P. nodosus* Poiret]





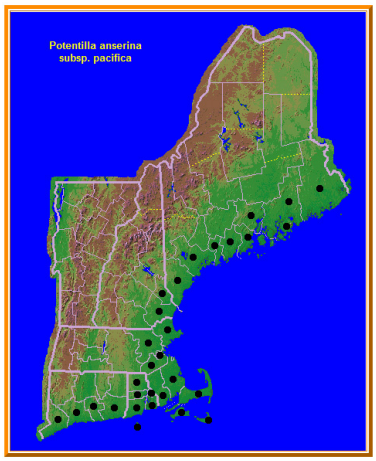


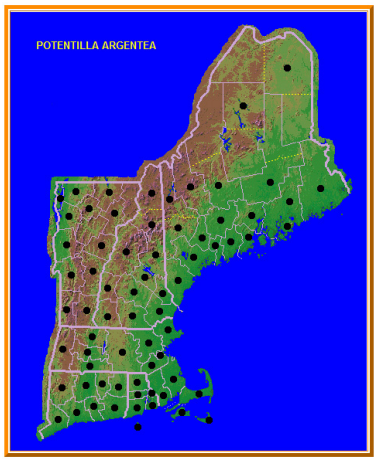
Potamogeton X ***versicolor*** Z. Kaplan, Hellquist & Fehrer - .
[*P. epihydrus* Rafinesque X *P. perfoliatus* Linnaeus]

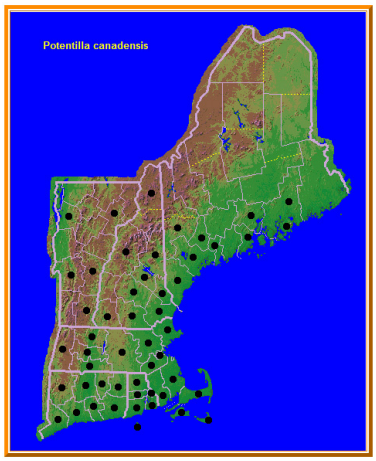
POTENTILLA (Family: Rosaceae)

POTENTILLA ANGLICA Laicharding - **Trailing Tormentil**. 2n = (28), 56.
Fields. From Europe.

Potentilla anserina Linnaeus subsp. ***anserina*** - **Common Silverweed**. 2n = 28, (35), (42).
Gravelly or sandy shores, swamps, wet fields.



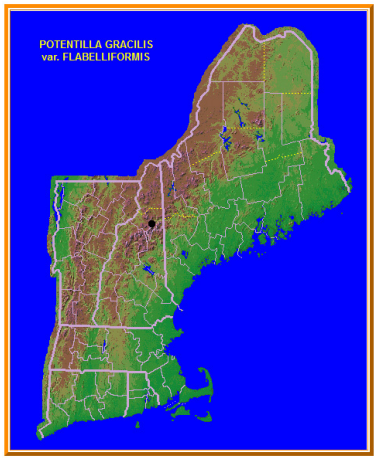


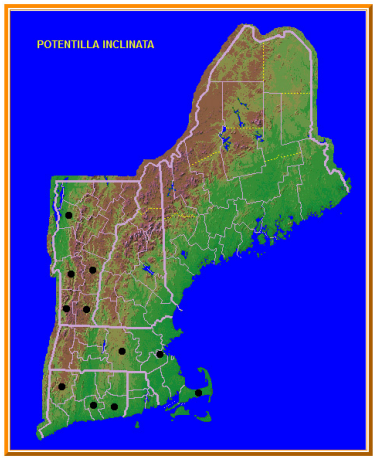


Potentilla anserina Linnaeus subsp. ***pacifica*** (Howell) Rousi - **Coastal Silverweed**. 2n = 28.
Salt marshes, coastal seashores. [*P. egedei* Wormskjold *ex* Hornemann var. *groenlandica* (Trattinnick) Polunin; *P. pacifica* Howell]

POTENTILLA ARGENTEA Linnaeus - **Silvery Cinquefoil**. 2n = 14, 28, (35), 42, (49), 56.
Dry fields, roadsides, dry, open ground. From Eurasia. [*P. ARGENTEA* var. *PSEUDOCALABRA* Th. Wolf]

Potentilla canadensis Linnaeus - **Dwarf Cinquefoil**. 2n = 28.
Dry, sandy fields, roadsides, dry, open ground, often in acidic soil. [*P. canadensis* var. *villosissima* Fernald]

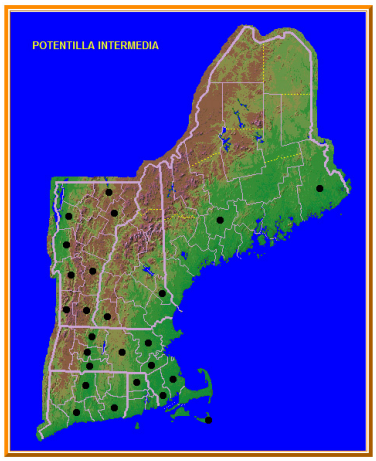


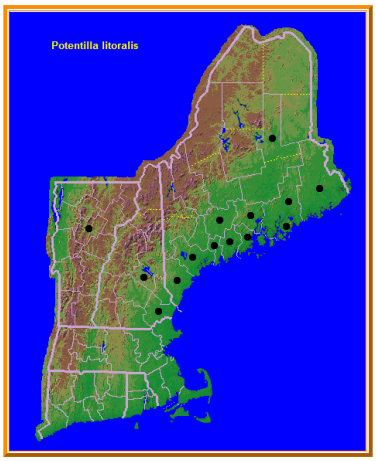


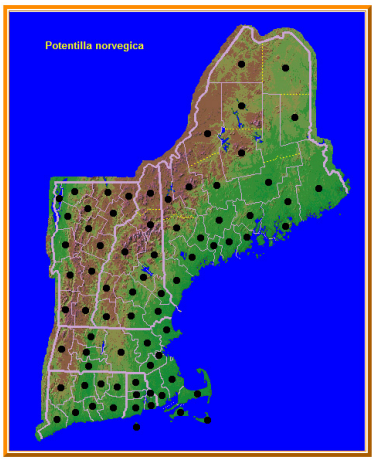
POTENTILLA GRACILIS Douglas *ex* Hooker var. ***FASTIGIATA*** (Nuttall) S. Watson - . 2n = 91.
Dry meadow. From farther west.

POTENTILLA GRACILIS Douglas *ex* Hooker var. ***FLABELLIFORMIS*** (Lehmann) Nuttall - . 2n = 56, 66, 70.
Dry meadow. From farther west.

POTENTILLA INCLINATA Villars - **Grey Cinquefoil**. 2n = (14), (28), (35), 42, (84).
Dry fields, roadsides, waste places. From Eurasia. [*P. CANESCENS* Besser]



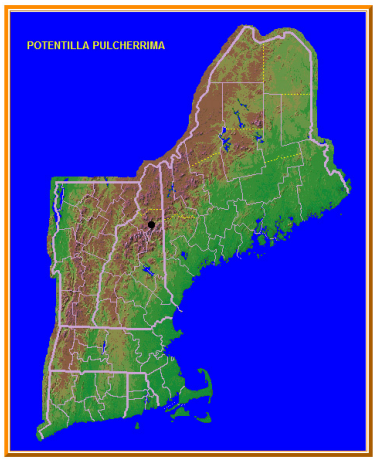


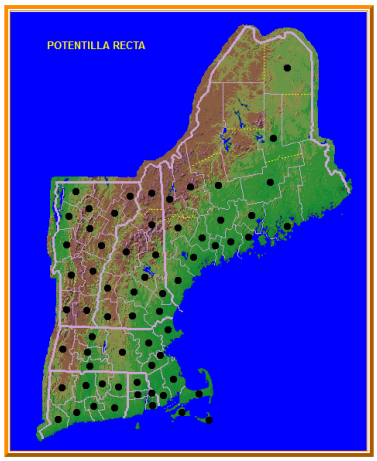


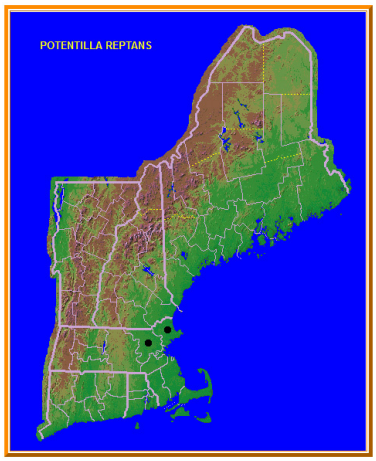
POTENTILLA INTERMEDIA Linnaeus - **Downy Cinquefoil**. 2n = 28, (42), 56.
Dry fields, roadsides, waste places. From Eurasia.

Potentilla litoralis Rydberg - . 2n = 56.
Dry fields, rocky outcrops, rocky shores, near coast. [*P. pectinata* Rafinesque – illegitimate name; *P. pensylvanica* Linnaeus var. *litoralis* (Rydberg) B. Boivin; *P. pensylvanica* var. *pectinata* Lepage]

Potentilla norvegica Linnaeus - **Rough Cinquefoil**. 2n = (28), (42), 56, 70.
Fields, thickets, roadsides, waste places. [*P. norvegica* var. *labradorica* (Lehmann) Fernald]



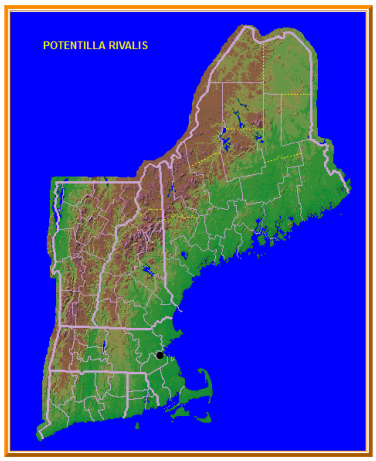


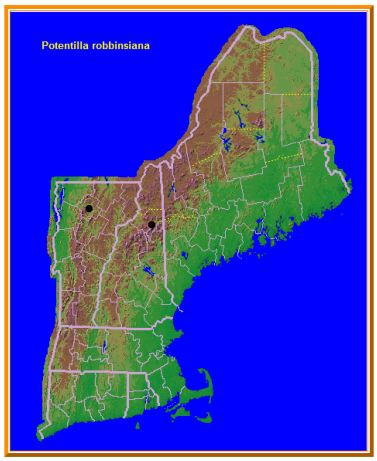


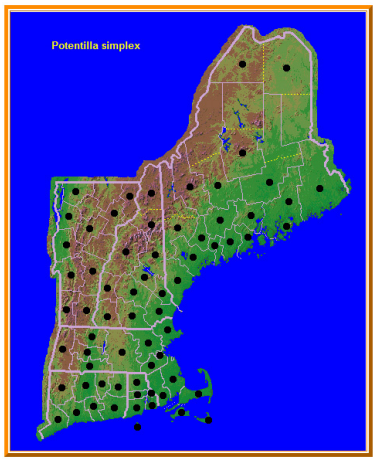
POTENTILLA PULCHERRIMA Lehmann - . 2n = 84.
Meadows. From farther west. [*P. GRACILIS* Douglas *ex* Hooker var. *PULCHERRIMA* (Lehmann) Fernald]

POTENTILLA RECTA Linnaeus - **Sulphur Cinquefoil**. 2n = (14), 28, 42, (35), (56), (112).
Dry fields, roadsides, waste places. From Eurasia, northern Africa.

POTENTILLA REPTANS Linnaeus - **Creeping Cinquefoil**. 2n = (20), 28, (42).
Waste places. From Eurasia, northern Africa.



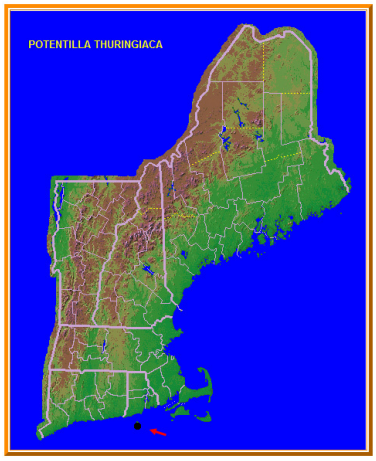


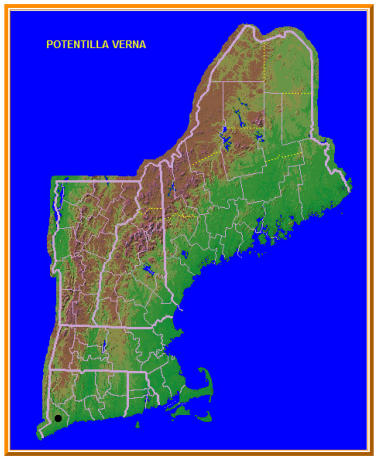


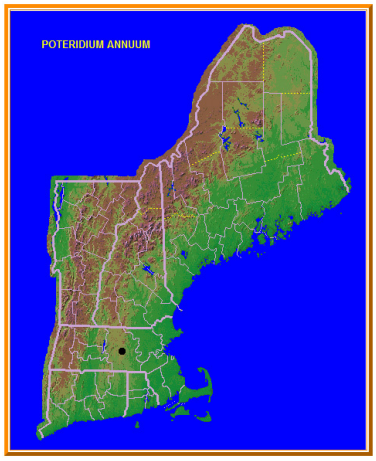
POTENTILLA RIVALIS Nuttall - . 2n = 28, 70.
Waste places. From farther west.

Potentilla robbinsiana (Lehmann) Oakes *ex* Rydberg - . 2n = 49.
Alpine rocky slopes and flats.

Potentilla simplex Michaux - **Old-field Cinquefoil**. 2n = ?
Fields, open woods, thickets, roadsides. [*P. simplex* var. *calvescens* Fernald]





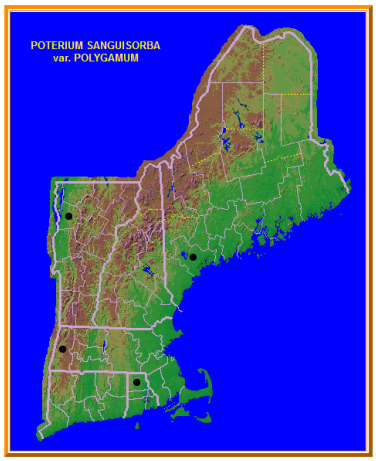


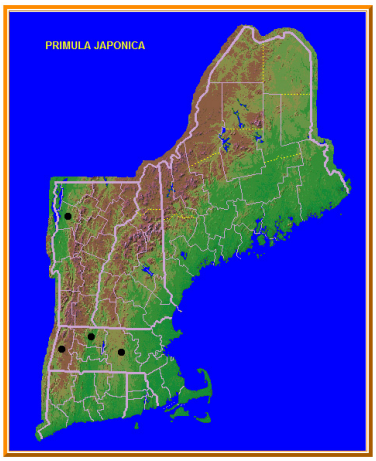
POTENTILLA THURINGIACA Bernhardi *ex* Link - . 2n = 42.
Waste places, roadsides. From Eurasia.

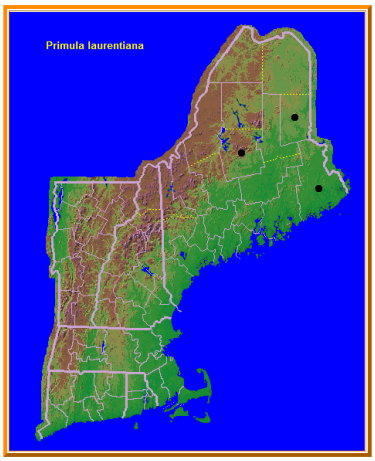
POTENTILLA VERNA Linnaeus - . 2n = (28), (35), 42, (49), (50), (56), (63), (70), (84).
Grassy roadsides and banks. From Europe. [*P. tabernaemontani* Ascherson]

POTERIDIUM (Family: Rosaceae)

POTERIDIUM ANNUUM (Nuttall) Spach - **Western Burnet**. 2n = 14.
Disturbed soil. From farther west. [*SANGUISORBA ANNUA* (Nuttall) Nuttall]







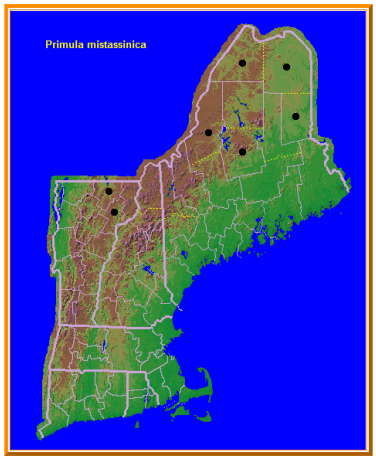
POTERIUM (Family: Rosaceae)

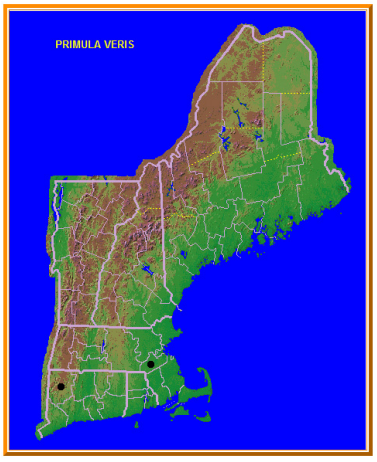
POTERIUM SANGUISORBA Linnaeus var. ***POLYGAMUM*** (Waldstein & Kitaibel) Visiani - **Fodder Burnet**. 2n = (16), 28, (56).
Old fields, roadsides, quarry ledges, waste places. From Eurasia, northern Africa. [*SANGUISORBA MINOR* Scopoli subsp. *BALEARICA* (Nyman) Muñoz Garmendia & C. Navarro; *S. MINOR* Scopoli subsp. *MURICATA* (Bonnier & Layens) Briquet]

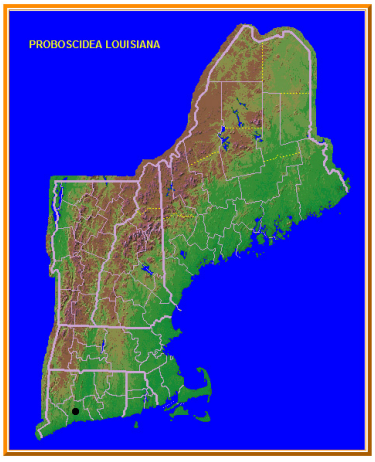
PRIMULA (Family: Primulaceae)

PRIMULA JAPONICA A. Gray - **Japanese Primrose**. 2n = 44.
Wet woods. From Japan. [Including the various cultivars to which this name is applied.]

Primula laurentiana Fernald - **Bird's-eye Primrose**. 2n = 72.
Ledges, meadows, shores, chiefly calcareous.





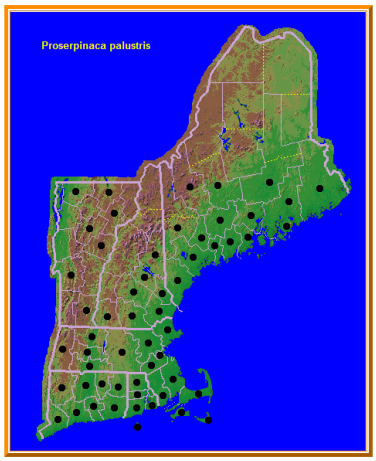


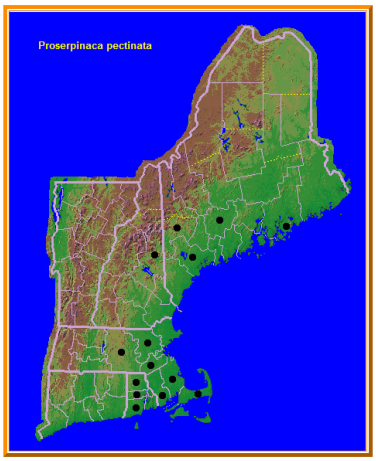
Primula mistassinica Michaux - **Dwarf Canadian Primrose**. 2n = 18.
Calcareous cliffs, shores, meadows.

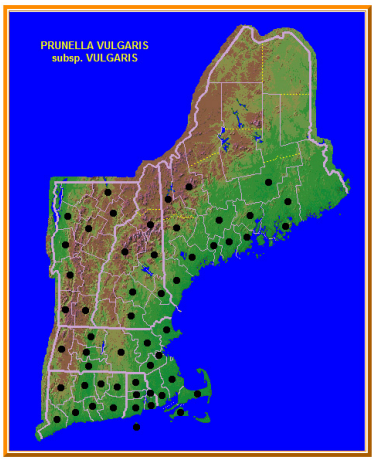
PRIMULA VERIS Linnaeus - **Cowslip**. 2n = (18), 22, (24).
Shaded slopes, often in calcareous soil. From Europe. [*P. OFFICINALIS* (Linnaeus) Hill]

PROBOSCIDEA (Family: Martyniaceae)

PROBOSCIDEA LOUISIANA (Miller) Thellung - . 2n = 30.
Waste places. From farther west.







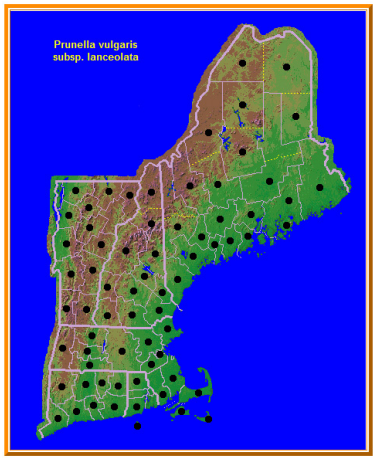
PROSERPINACA (Family: Haloragaceae)

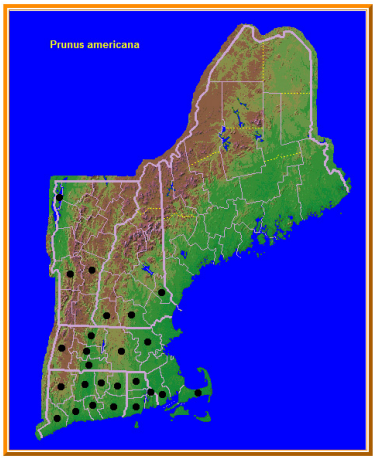
Proserpinaca palustris Linnaeus - . 2n = 14.
Shallow water and shores of acidic ponds and lakes. [*P. palustris* var. *crebra* Fernald & Griscom]

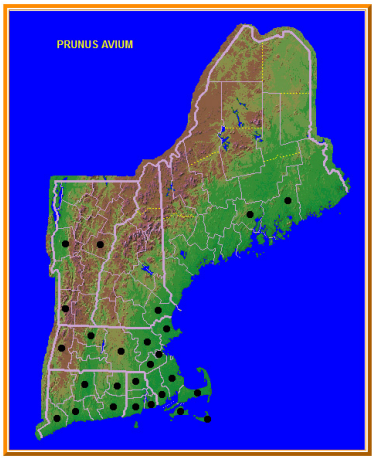
Proserpinaca pectinata Lamarck - . 2n = 14.
Sandy or peaty, acidic ponds, pools, or depressions, swamps.

PRUNELLA (Family: Lamiaceae)

PRUNELLA VULGARIS Linnaeus subsp. ***VULGARIS*** - **Heal-all**. 2n = 28, (32).
Fields, roadsides, waste places. From Eurasia, northwestern Africa.





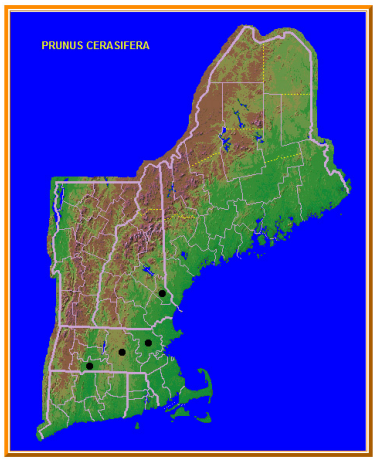


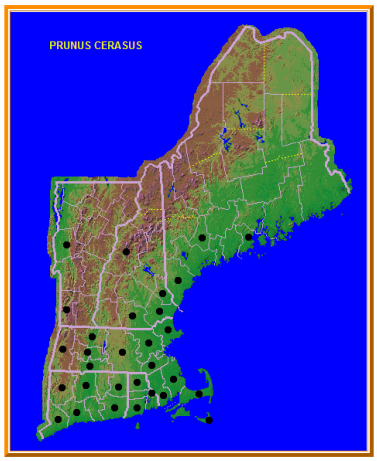
Prunella vulgaris Linnaeus subsp. ***lanceolata*** (W.P.C. Barton) Piper & Beattie - . 2n = 28.
Open, moist woodlands, meadows, streambanks, fields, thickets, roadsides.

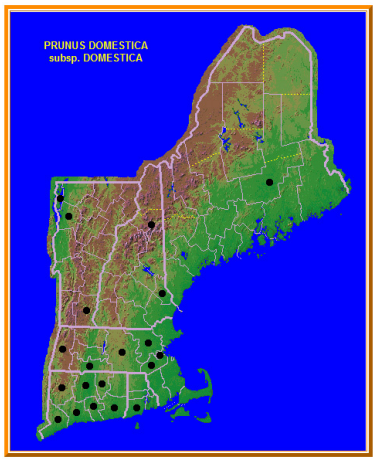
PRUNUS (Family: Rosaceae)

Prunus americana Marshall - **Wild Plum**. 2n = 16.
Fields, Roadsides, thickets, woodland margins. [*P. americana* var. *lanata* misapplied; *P. americana* var. *mollis* misapplied]

PRUNUS AVIUM (Linnaeus) Linnaeus - **Sweet Cherry**. 2n = 16, (24), (32).
Roadsides, woods, woodland margins, thickets. From Eurasia.



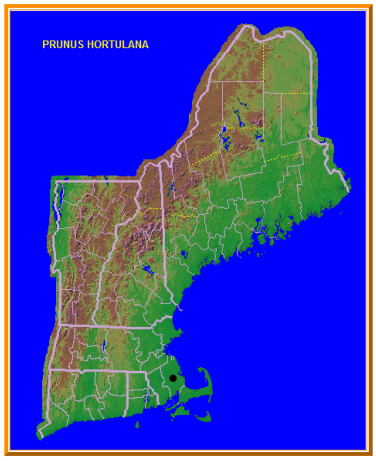


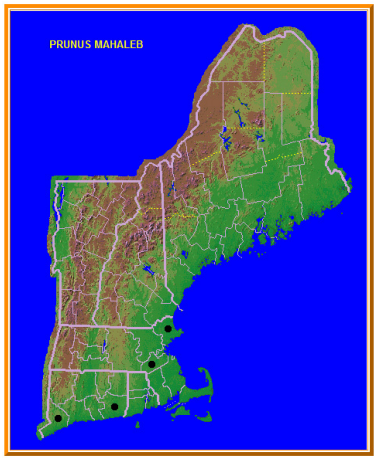


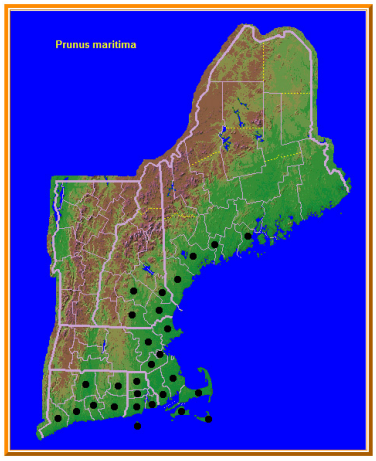
PRUNUS CERASIFERA Ehrhart - **Cherry Plum**. 2n = 16, (24), (48).
Roadsides, riverbanks, shores. From Eurasia.

PRUNUS CERASUS Linnaeus - **Sour Cherry**. 2n = (16), 32.
Roadsides, thickets, woodland margins. From Eurasia.

PRUNUS DOMESTICA Linnaeus subsp. ***DOMESTICA*** - **Garden Plum**. 2n = 16, 32, 48.
Roadsides, thickets, woodland margins, fields. Probably from Eurasia. [*P. DOMESTICA* subsp. *INSITITIA* (Linnaeus) C.K. Schneider]



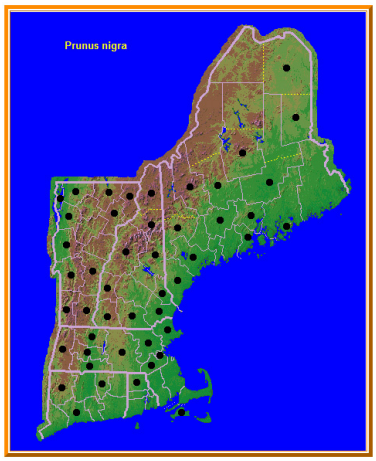


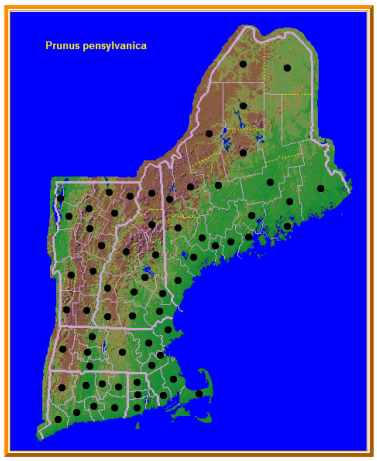


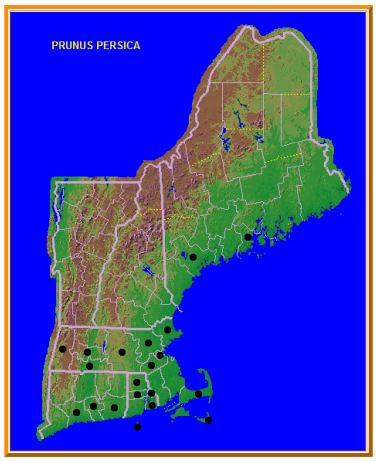
PRUNUS HORTULANA L.H. Bailey - **Wild Goose Plum**. 2n = 16.
Woodland margins. From farther west.

PRUNUS MAHALEB Linnaeus - **Perfumed Cherry**. 2n = 16, (24).
Railroads, roadsides, woodland borders, fields. From Eurasia, northern Africa.

Prunus maritima Marshall - **Beach Plum**. 2n = 16.
Roadsides, dunes, sandy fields, other sandy sites, near seacoast. [*P. maritima* var. *gravesii* (Small) G.J. Anderson; *P. gravesii* Small]



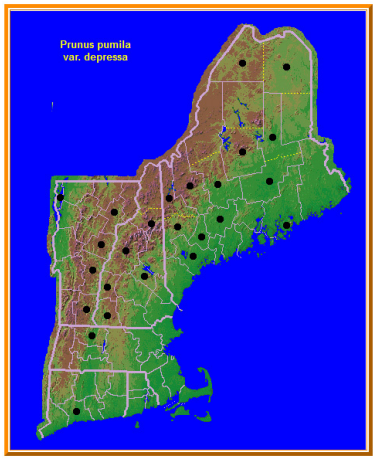


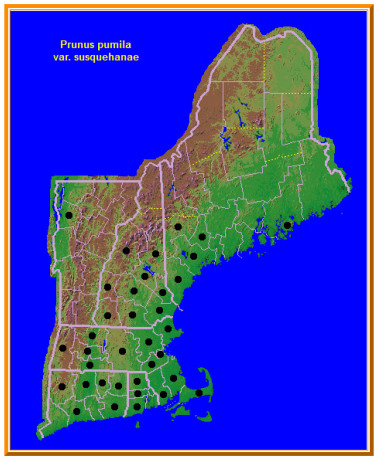


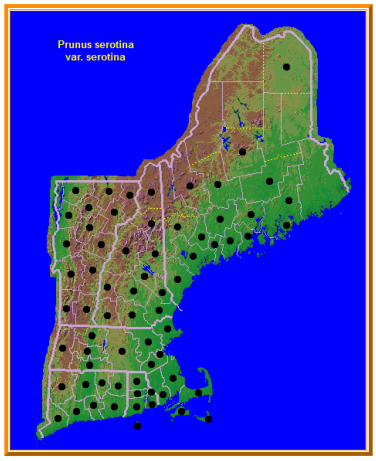
Prunus nigra Aiton - **Canada Plum**. 2n = ?
Roadsides, thickets, waste places, woodland margins, stream banks.

Prunus pensylvanica Linnaeus (son) - **Pin Cherry**. 2n = 16.
Dry, open sandy soil, recent burns, dry, open woods and clearings.

PRUNUS PERSICA (Linnaeus) Batsch - **Peach**. 2n = 16.
Roadsides, thickets. From China.



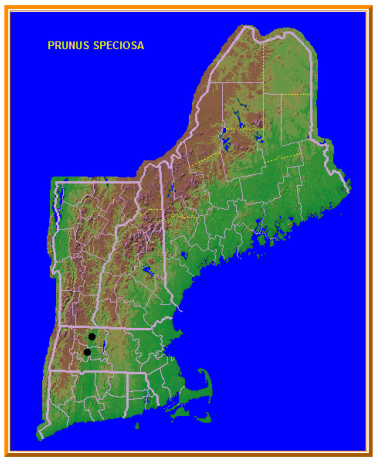


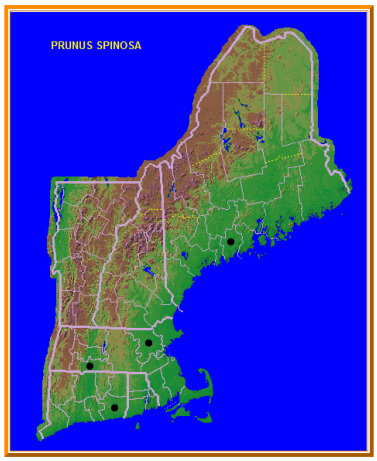


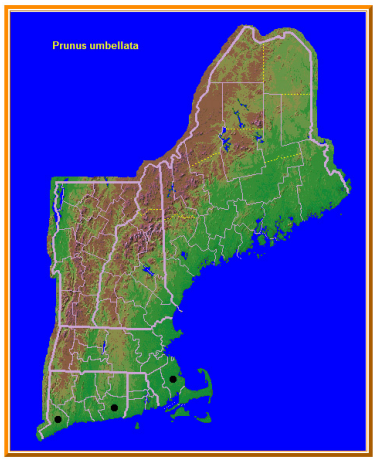
Prunus pumila Linnaeus var. ***depressa*** (Pursh) Bean - **Dwarf Sand Cherry**. 2n = ?
Sandy, gravelly or rocky river shores, beaches. [*P. depressa* Pursh]

Prunus pumila Linnaeus var. ***susquehanae*** (Willdenow) H. Jaeger - **Appalachian Sand Cherry**. 2n = ?
Sandy barrens, beaches, clearings, roadsides and fields, dry woods and ledges. [*P. pumila* var. *cuneata* (Rafinesque) L.H. Bailey; *P. susquehanae* Willdenow]

Prunus serotina Ehrhart var. ***serotina*** - **Black Cherry**. 2n = 32.
Thickets, roadsides, wood margins, dry woods, waste places.



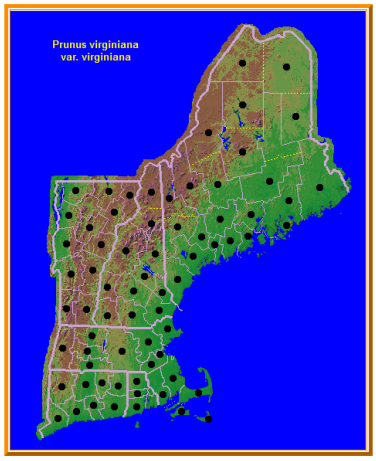


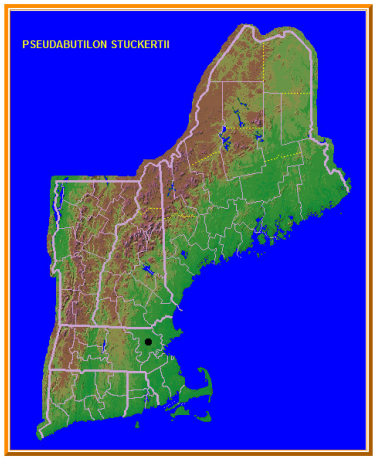


PRUNUS SPECIOSA (Koidzumi) Nakai - **Japanese Flowering Cherry**. 2n = 16.
Mixed woodlands, roadsides. From Eurasia. [*P. SERRULATA* misapplied]

PRUNUS SPINOSA Linnaeus - **Blackthorn**. 2n = 32, (40), (48).
Fields, pond shores. From Eurasia.

Prunus umbellata Elliott - **Sloe Plum**. 2n = 16.
Roadsides, sandy bottoms, river terraces, fields, rocky copses. [*P. alleghaniensis* Porter]





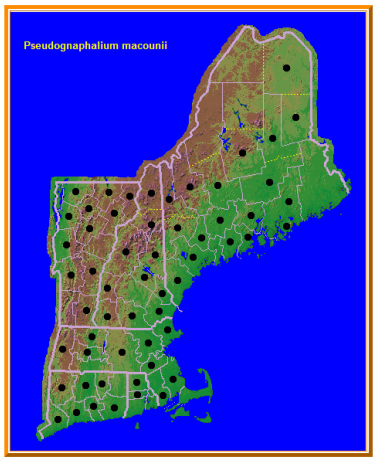
Prunus virginiana Linnaeus var. ***virginiana*** - **Choke Cherry**. 2n = ?
Thickets, roadsides, woodland margins.

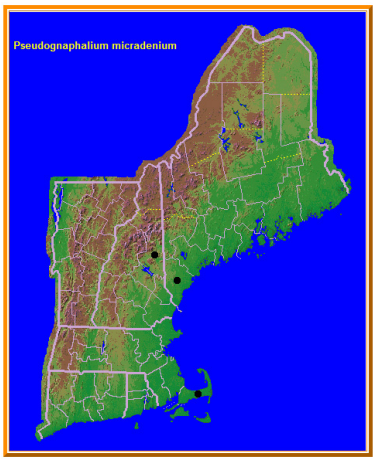
***Prunus* hybrid**

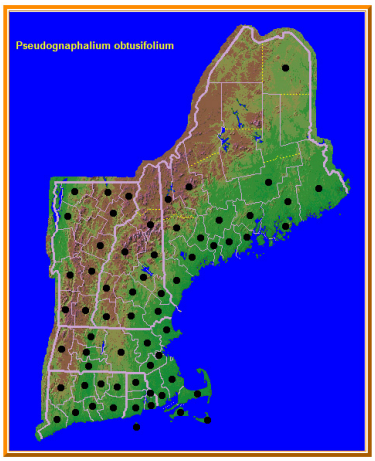
Prunus serotina Ehrhart var. ***serotina*** X ***P. virginiana*** Linnaeus var. ***virginiana*** - .

PSEUDABUTILON (Family: Malvaceae)

PSEUDABUTILON STUCKERTII R.E. Fries - . 2n = ?
Wool waste. From South America. [*WISSADULA CALLIMORPHA* (Hochreutiner) Hassler var. *FRIESII* Hassler]





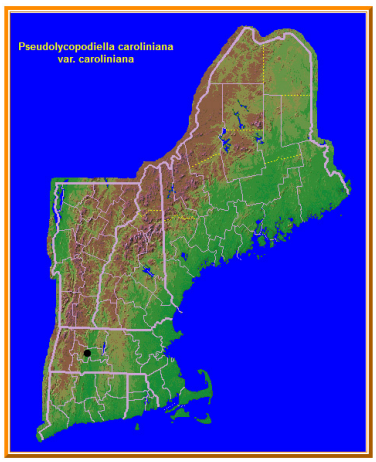


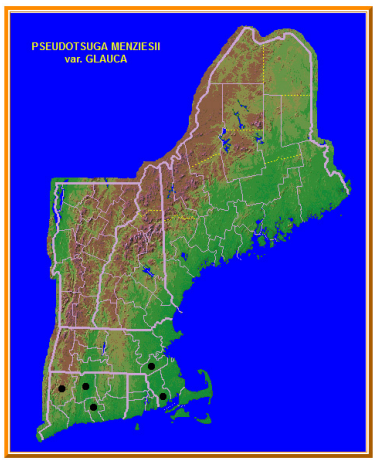
PSEUDOGNAPHALIUM (Family: Asteraceae)

Pseudognaphalium macounii (Greene) Kartesz - . 2n = ?
Dry fields, clearings, woods margins, roadsides. [*P. viscosum* misapplied; *Gnaphalium macounii* Greene; *G. viscosum* misapplied]

Pseudognaphalium micradenium (Weatherby) G.L. Nesom - . 2n = ?
Dry, sandy woods, thickets, clearings, roadsides. [*Gnaphalium obtusifolium* Linnaeus var. *micradenium* Weatherby]

Pseudognaphalium obtusifolium (Linnaeus) Hilliard & B.L. Burtt - **Sweet Everlasting**. 2n = 28.
Dry fields, woods margins, dry clearings, roadsides. [*Gnaphalium obtusifolium* Linnaeus var. *obtusifolium*; *Gnaphalium obtusifolium* Linnaeus var. *praecox* Fernald]





PSEUDOLYCOPODIELLA (Family: Lycopodiaceae)

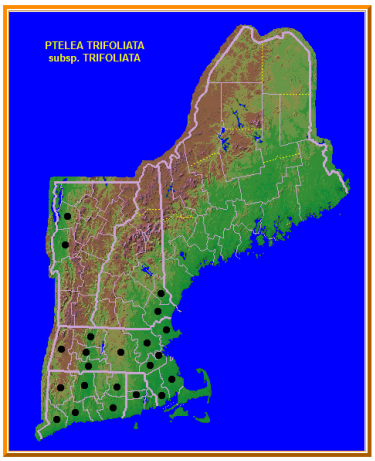
Pseudolycopodiella caroliniana (Linnaeus) Holub var. ***caroliniana*** - **Carolina Clubmoss**. 2n = 70, 78, 140, 230.
Damp, open sands and peat in acid soils. [*Lycopodium carolinianum* Linnaeus]

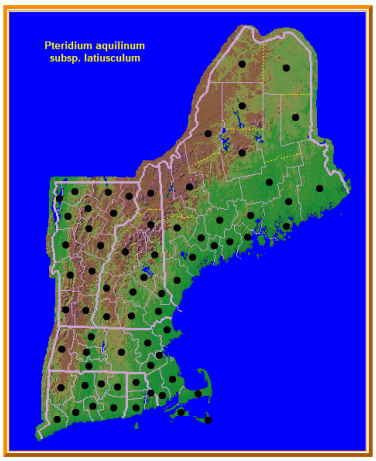
PSEUDOSASA (Family: Poaceae)

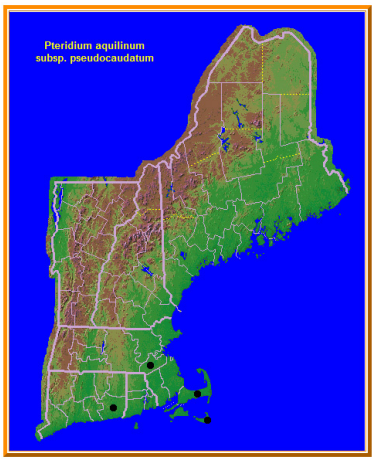
PSEUDOSASA JAPONICA (Siebold & Zuccarini *ex* Steudel) Makino *ex* Nakai - **Arrow Bamboo**. 2n = 48.
Woods, stream banks. From eastern Asia. [*ARUNDINARIA JAPONICA* Siebold & Zuccarini *ex* Steudel]

PSEUDOTSUGA (Family: Pinaceae)

PSEUDOTSUGA MENZIESII (Mirbel) Franco var. ***GLAUCA*** (Beissner) Franco - **Rocky Mountain Douglas-fir**. 2n = 26.
Woodlands. From farther west.







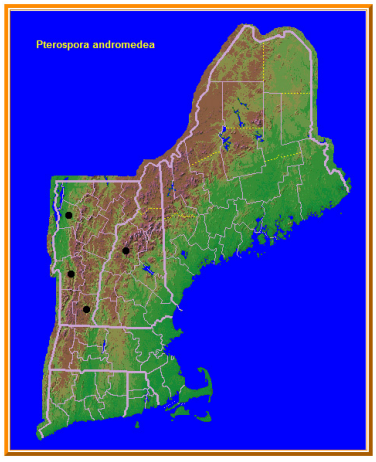
PTELEA (Family: Rutaceae)

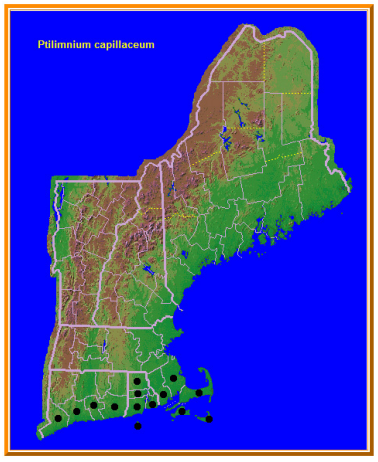
PTELEA TRIFOLIATA Linnaeus subsp. ***TRIFOLIATA*** - **Common Hoptree**. 2n = 36, 42.
Woodland margins, roadsides, waste places. From farther south and west.

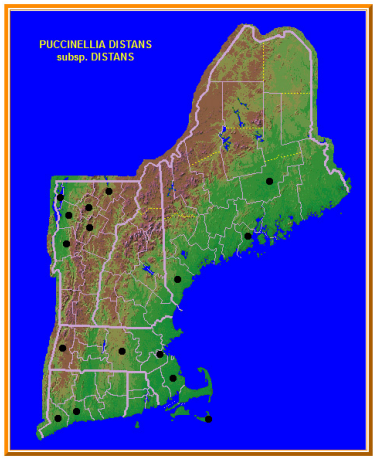
PTERIDIUM (Family: Dennstaedtiaceae)

Pteridium aquilinum (Linnaeus) Kuhn subsp. ***latiusculum*** (Desvaux) Hultén - **Bracken**. 2n = 104.
Clearings, pastures, burns, thickets and woods, usually in dry, sterile soils. [*P. aquilinum* var. *latiusculum* (Desvaux) L. Underwood *ex* A. Heller]

Pteridium aquilinum (Linnaeus) Kuhn subsp. ***pseudocaudatum*** (Clute) Hultén - **Bracken**. 2n = ?
Clearings, pastures, burns, thickets and woods, usually in dry, sterile soils. [*P. aquilinum* var. *pseudocaudatum* (Clute) A. Heller]







PTEROSPORA (Family: Ericaceae)

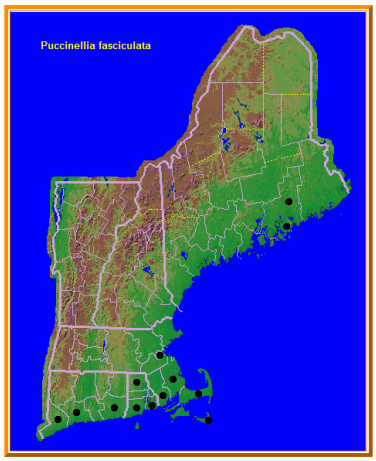
Pterospora andromedea Nuttall - **Pinedrops**. 2n = 16, 48.
Chiefly humus in pine woods, often in basic soil.

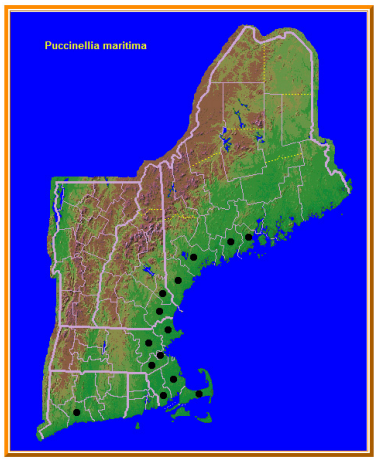
PTILIMNIUM (Family: Apiaceae)

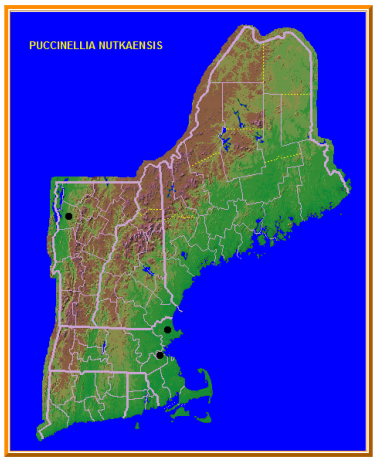
Ptilimnium capillaceum (Michaux) Rafinesque - . 2n = 16.
Salt marshes.

PUCCINELLIA (Family: Poaceae)

PUCCINELLIA DISTANS (Jacquin) Parlatore subsp. ***DISTANS*** - . 2n = (14), 28, 42.
Roadsides, waste places. From Eurasia, northern Africa.



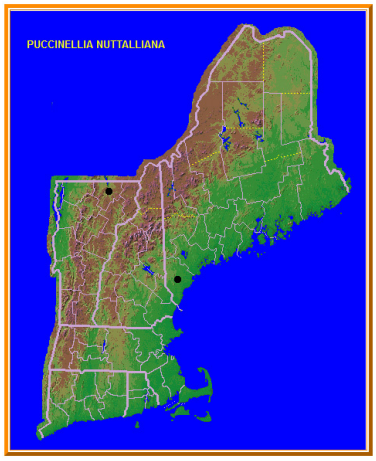


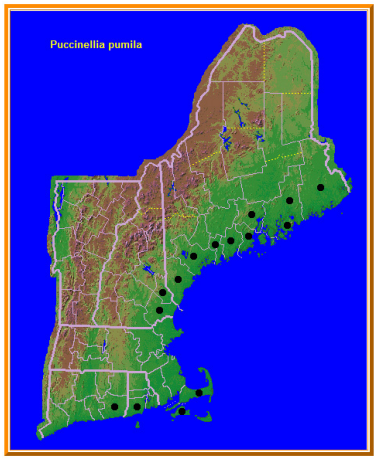


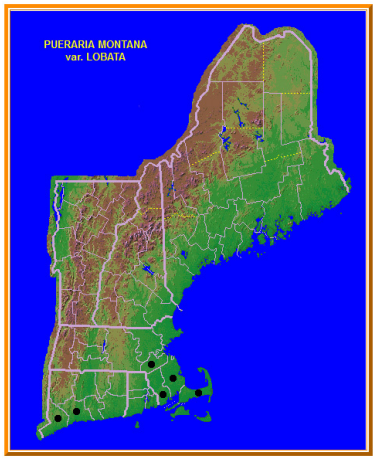
Puccinellia fasciculata (Torrey) E.P. Bicknell - . 2n = (14), 28, (42).
Salt marshes, brackish shores, sandy seashores.

Puccinellia maritima (Hudson) Parlatore - . 2n = 14, 42, 49, 56, 60, 63, 70, 77.
Salt marshes, brackish shores.

PUCCINELLIA NUTKAENSIS (J. Presl) Fernald & Weatherby - . 2n = (28), (42), 56.
Roadsides, waste places. From Europe. [*P. DISTANS* (Jacquin) Parlatore subsp. *BOREALIS* (Holmberg) W.E. Hughes; *P. LAURENTIANA* Fernald & Weatherby] Note: The voucher for *P. LAURENTIANA* previously reported for New England from Mt. Desert Island, Maine has been re-identified as *P. pumila*.





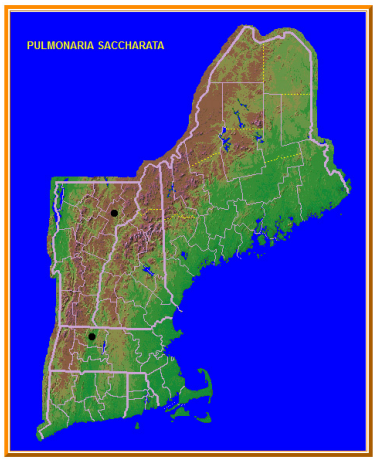


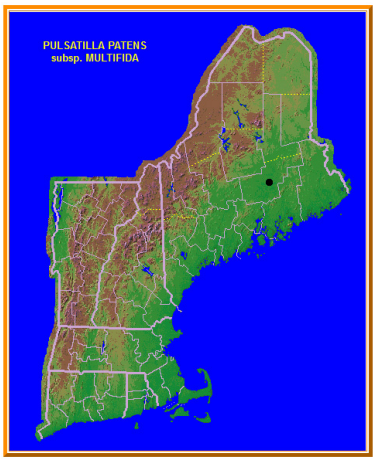
PUCCINELLIA NUTTALLIANA (Schultes) Hitchcock - . 2n = 28, 42, 56.
Moist, alkaline soil. From farther west. [*P. AIROIDES* (Nuttall) S. Watson & J.M. Coulter]

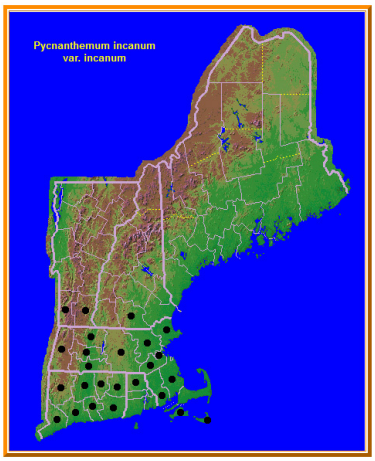
Puccinellia pumila (Vasey) Hitchcock - . 2n = 42, (56).
Salt marshes, gravelly beaches. [*P. paupercula* (Holmberg) Fernald & Weatherby var. *alaskana* misapplied; *P. tenella* (Lange) Holmberg subsp. *alaskana* misapplied]

PUERARIA (Family: Fabaceae)

PUERARIA MONTANA (Loureiro) Merrill var. ***LOBATA*** (Willdenow) Maesen & S.M. Almeida *ex* Sanjappa & Predeep - **Kudzu**.
2n = 22, (24).
Roadsides, waste places. From eastern Asia, southwestern Pacific. [*P. LOBATA* (Willdenow) Ohwi]







PULMONARIA (Family: Boraginaceae)

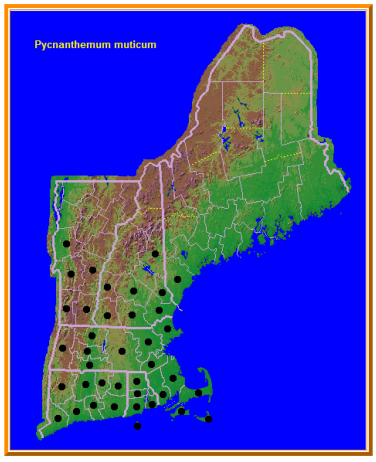
PULMONARIA SACCHARATA Miller - **Bethlehem Sage**. 2n = 22, (25), 26, (27), 28.
Roadsides. Probably from Europe.

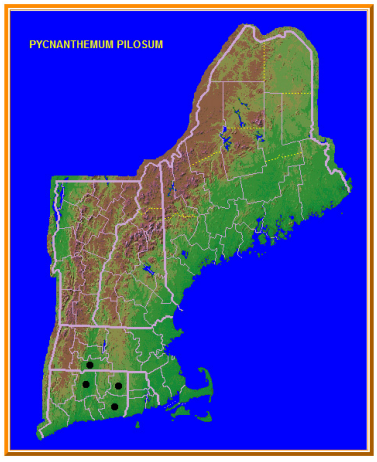
PULSATILLA (Family: Ranunculaceae)

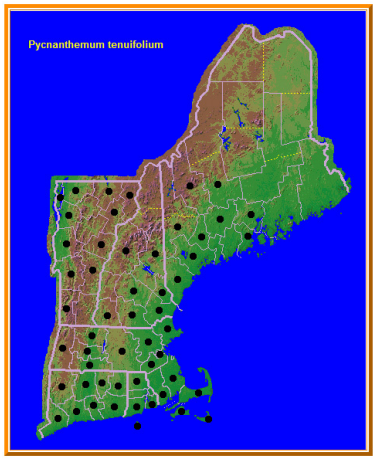
PULSATILLA PATENS (Linnaeus) Miller subsp. ***MULTIFIDA*** (Pritzel) Zämelis - **Pasqueflower**. 2n = 16.
Railroads. From farther west. [*ANEMONE PATENS* Linnaeus var. *MULTIFIDA* Pritzel]

PYCNANTHEMUM (Family: Lamiaceae)

Pycnanthemum incanum (Linnaeus) Michaux var. ***incanum*** - . 2n = 76.
Dry woodlands, thickets.



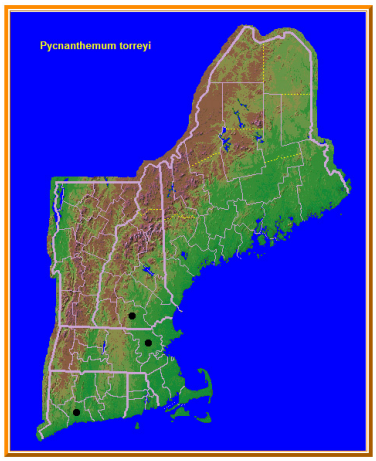


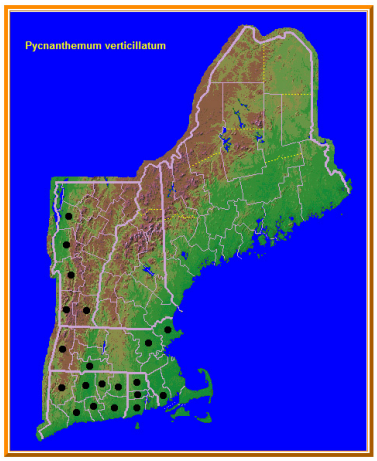


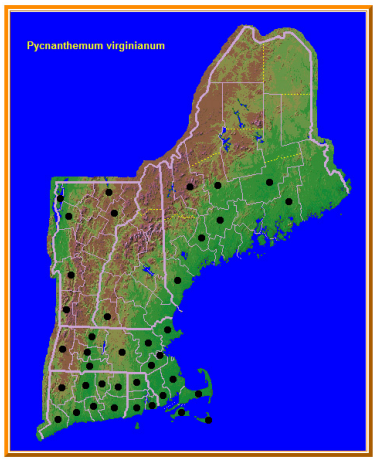
Pycnanthemum muticum (Michaux) Persoon - . 2n = 40, 80.
Dry woodlands, thickets, clearings.

PYCNANTHEMUM PILOSUM Nuttall - . 2n = 78.
Woodland margins, thickets, dry knolls, sandy fields. From farther west.

Pycnanthemum tenuifolium Schrader - . 2n = 40, (80).
Dry fields, thickets, clearings, roadsides.



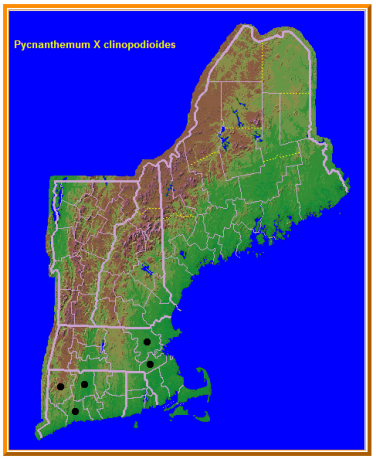


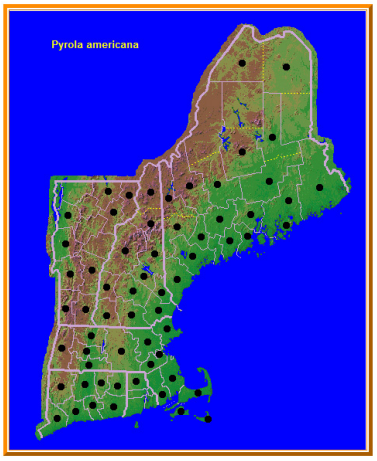


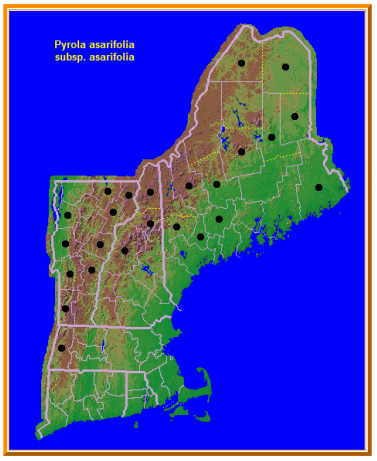
Pycnanthemum torreyi Bentham - . 2n = 80.
Dry, rocky woodlands, dry, gravelly banks, meadows.

Pycnanthemum verticillatum (Michaux) Persoon - . 2n = ?
Woodlands, fields, meadows, thickets, clearings, usually in moist soil.

Pycnanthemum virginianum (Linnaeus) B.L. Robinson & Fernald - . 2n = 80.
Fields, shores, meadows, woodlands, thickets, roadsides, usually in moist soil.







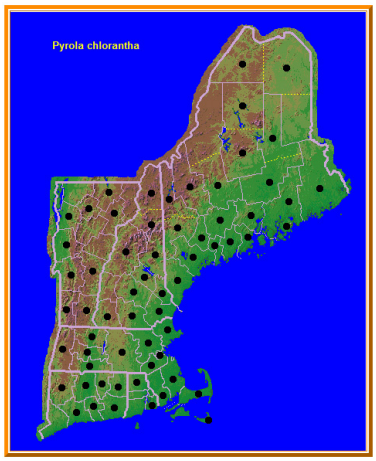
***Pycnanthemum* hybrid**

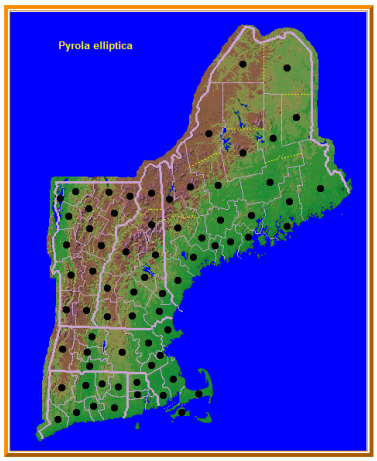
Pycnanthemum X ***clinopodioides*** Torrey & A. Gray (*pro species*) - .
[*P. incanum* (Linnaeus) Michaux X *P. verticillatum* (Michaux) Persoon]

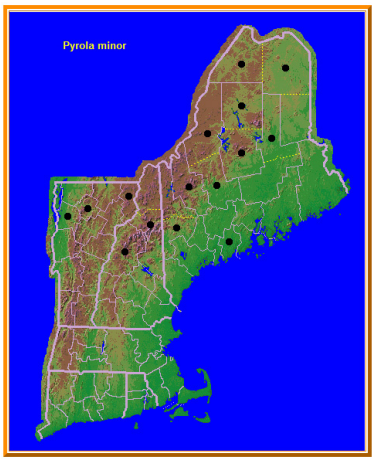
PYROLA (Family: Ericaceae)

Pyrola americana Sweet - **Round-leaved Pyrola**. 2n = 46.
Woods. [*P. rotundifolia* Linnaeus var. *americana* (Sweet) Fernald]

Pyrola asarifolia Michaux subsp. ***asarifolia*** - **Pink Pyrola**. 2n = 46.
Rich woods, chiefly calcareous soil. [*P. asarifolia* var. *purpurea* (Bunge) Fernald]



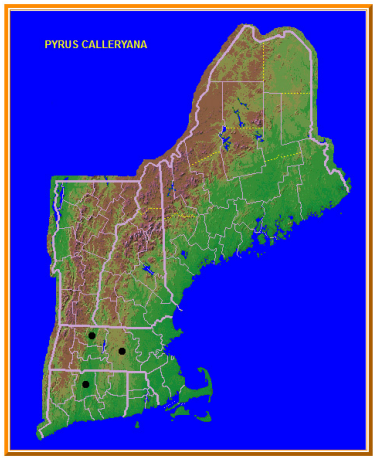


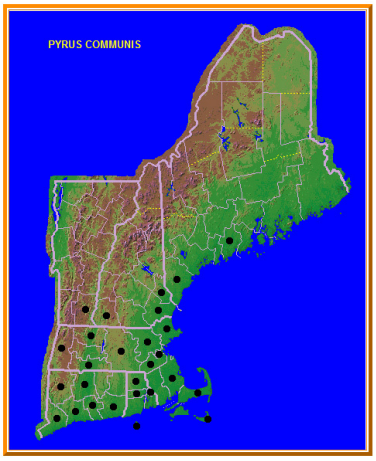


Pyrola chlorantha Swartz - **Green Pyrola**. 2n = (32), 46.
Dry woods. [*P. virens* Schweigger & Körte var. *virens*; *P. virens* var. *convoluta* (Barton) Fernald]

Pyrola elliptica Nuttall - **Shinleaf**. 2n = 46.
Dry woods.

Pyrola minor Linnaeus - **Snowline Pyrola**. 2n = 46.
Cold, damp, coniferous or boreal woods.

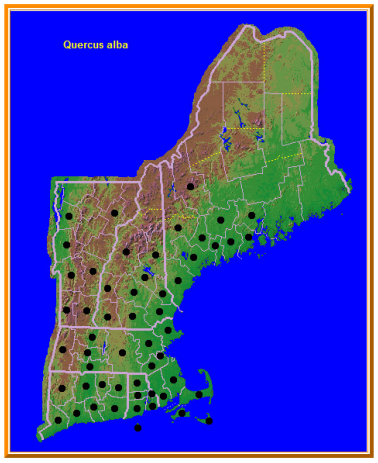


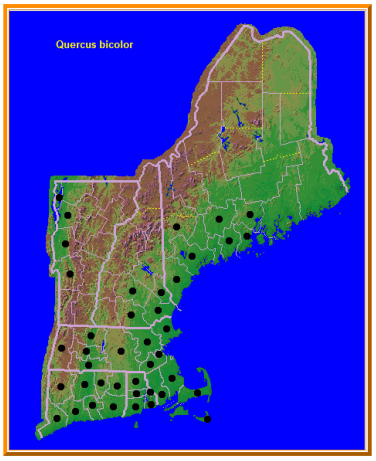


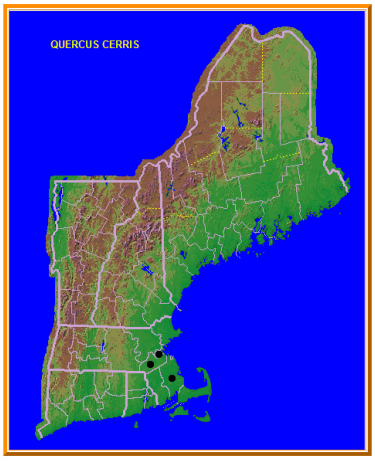
PYRUS (Family: Rosaceae)

PYRUS CALLERYANA Decaisne - **Callery Pear**. 2n = 34.
Shrubby thickets, ditches. From eastern Asia.

PYRUS COMMUNIS Linnaeus - **Common Pear**. 2n = 34, (51).
Roadsides, fields, thickets, woodland margins. Probably from Eurasia.





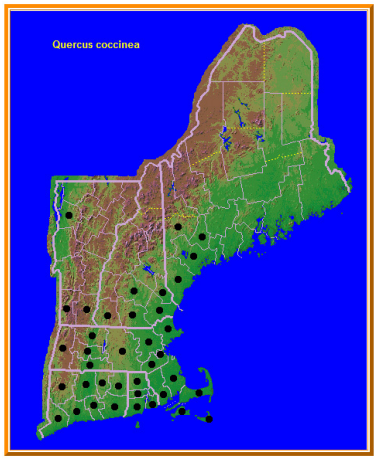


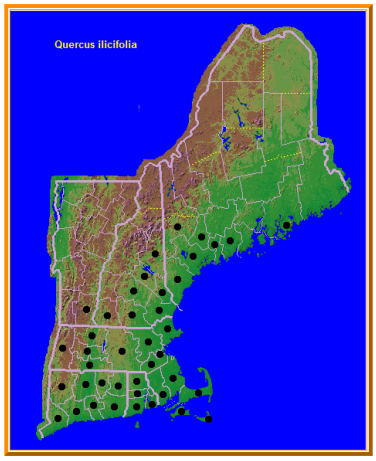
QUERCUS (Family: Fagaceae)

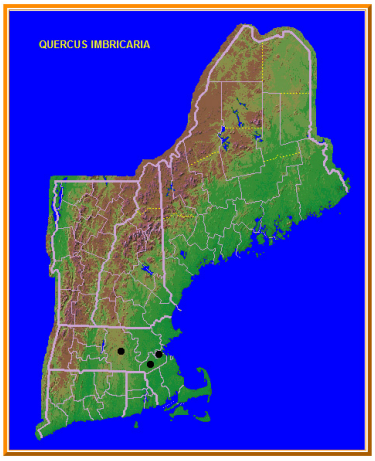
Quercus alba Linnaeus - **White Oak**. 2n = 24.
Dry woods.

Quercus bicolor Willdenow - **Swamp White Oak**. 2n = 24.
Swamps, stream margins.

QUERCUS CERRIS Linnaeus - **Turkey Oak**. 2n = 24.
Woodland borders, fields. From Eurasia.



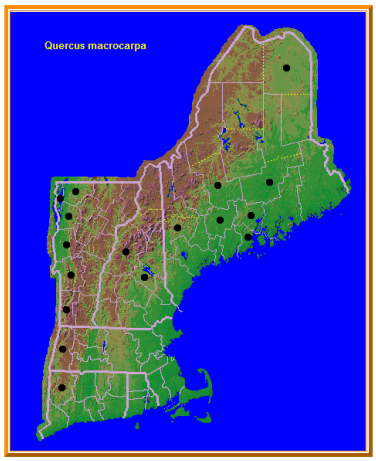


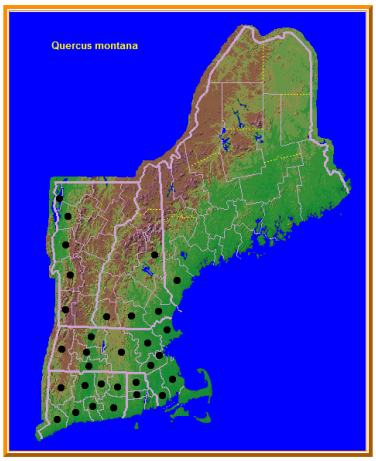


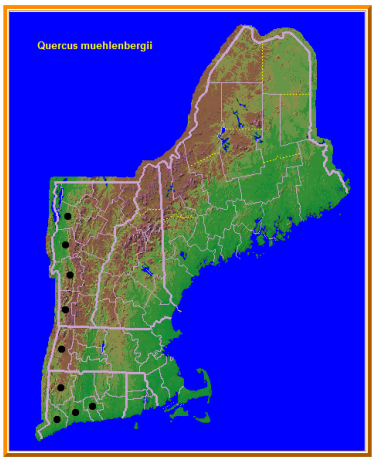
Quercus coccinea Münchhausen - **Scarlet Oak**. 2n = 24.
Dry woods. [*Q. coccinea* var. *tuberculata* Sargent]

Quercus ilicifolia Wangenheim - **Scrub Oak**. 2n = 24.
Dry, sandy, acidic soil.

QUERCUS IMBRICARIA Michaux - **Shingle Oak**. 2n = 24.
Roadsides. From farther south and west.



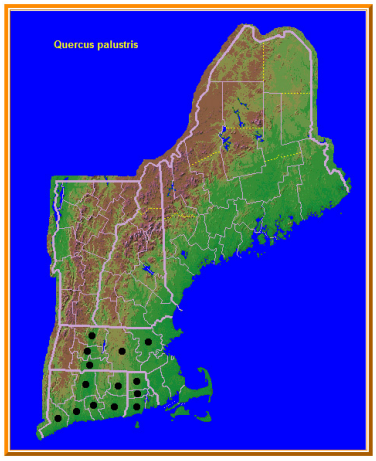


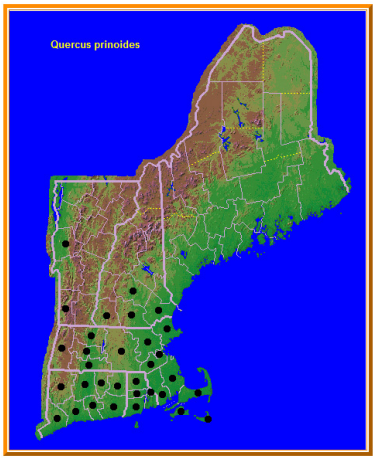


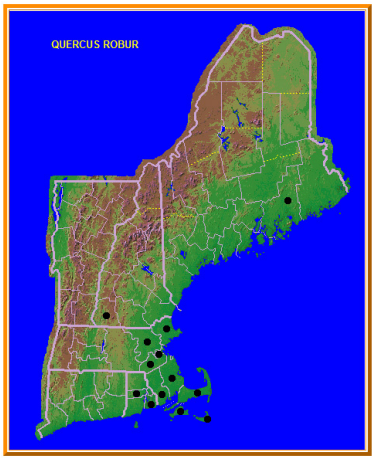
Quercus macrocarpa Michaux - **Mossy-cup Oak**. 2n = 24.
Rich woods, bottomlands, usually in calcareous soil.

Quercus montana Willdenow - **Chestnut Oak**. 2n = 24.
Rich woods. [*Q. prinus* Linnaeus - an ambiguous name]

Quercus muehlenbergii Engelmann - **Chinquapin Oak**. 2n = 24.
Dry, calcareous slopes.



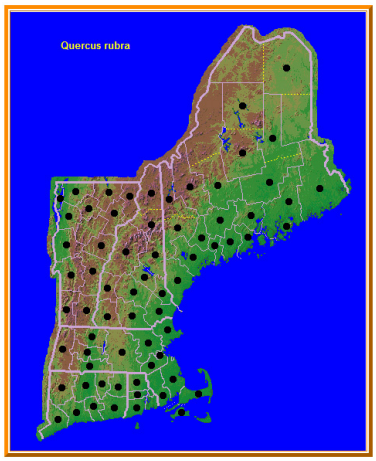


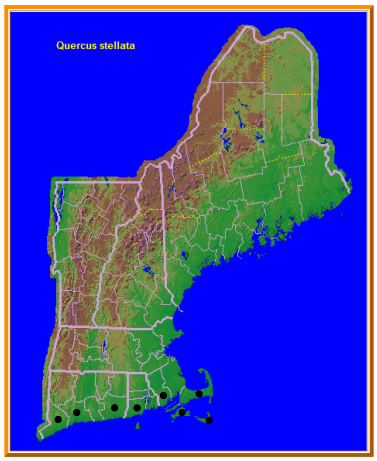


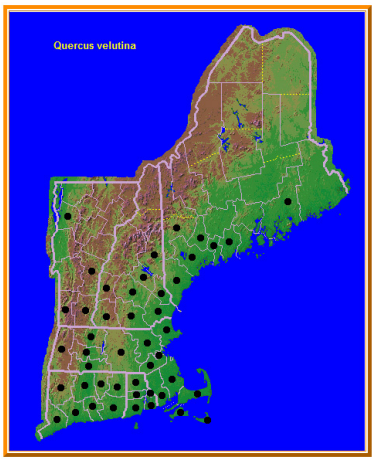
Quercus palustris Münchhausen - **Pin Oak**. 2n = 24.
Swampy woods, bottomlands.

Quercus prinoides Willdenow - **Dwarf Chinquapin Oak**. 2n = 24.
Dry fields, thickets, woodland borders. [*Q. prinoides* var. *rufescens* Rehder]

QUERCUS ROBUR Linnaeus - **English Oak**. 2n = 24.
Roadsides, dry woodland borders. From Europe.



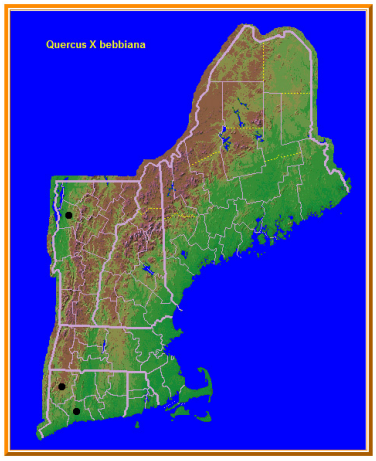


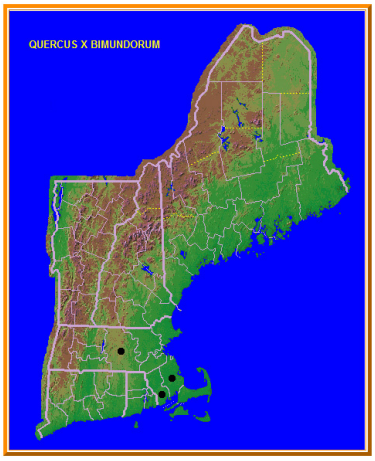


Quercus rubra Linnaeus - ***Red Oak***. 2n = 24.
Dry woods. [*Q. rubra* var. *ambigua* Fernald; *Q. rubra* var. *borealis* (F. Michaux) Farwell]

Quercus stellata Wangenheim - ***Post Oak***. 2n = 24.
Dry, sterile woods.

Quercus velutina Lamarck - ***Black Oak***. 2n = 24.
Dry woods.



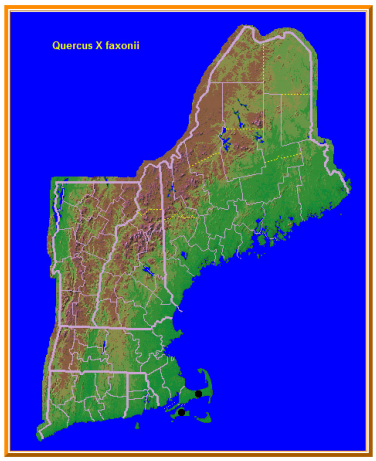


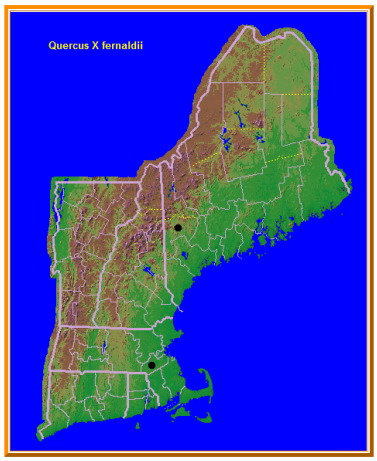
Quercus hybrids

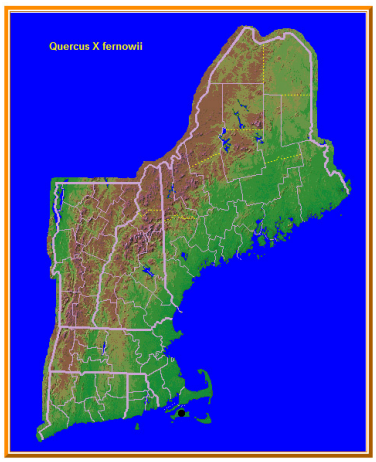
Quercus X ***bebbiana*** C.K. Schneider - .
[*Q. alba* Linnaeus X *Q. macrocarpa* Michaux]

Quercus X ***benderi*** Baenitz - .
[*Q. coccinea* Münchhausen X *Q. rubra* Linnaeus]

QUERCUS X ***BIMUNDORUM*** E.J. Palmer - .
[*Q. alba* Linnaeus X *Q. ROBUR* Linnaeus]



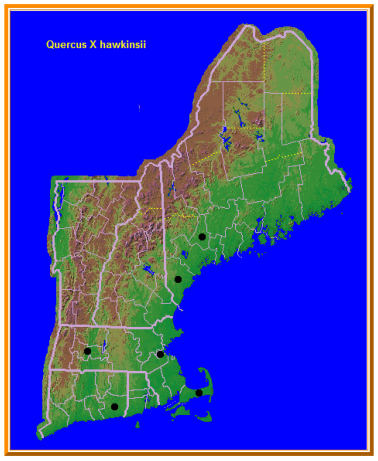


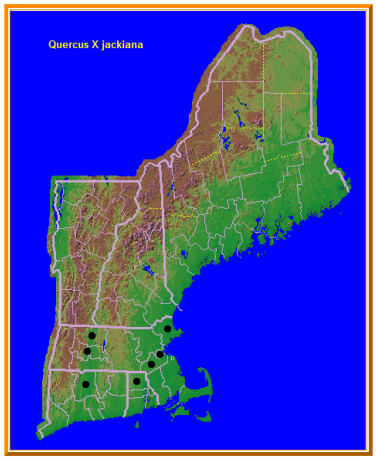


Quercus X ***faxonii*** Trelease - .
[*Q. alba* Linnaeus X *Q. prinoides* Willdenow]

Quercus X ***fernaldii*** Trelease - .
[*Q. ilicifolia* Wangenheim X *Q. rubra* Linnaeus]

Quercus X ***fernowii*** Trelease - .
[*Q. alba* Linnaeus X *Q. stellata* Wangenheim]

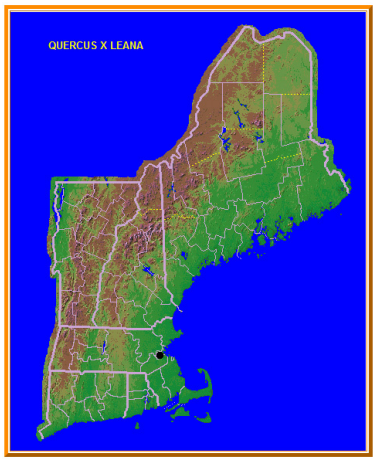


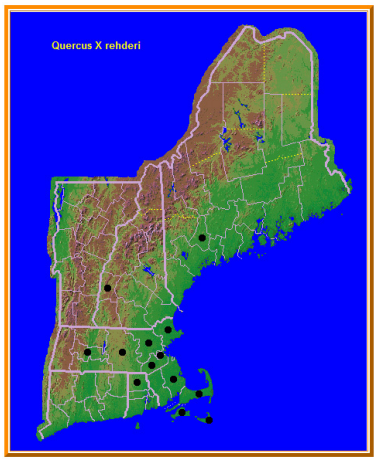


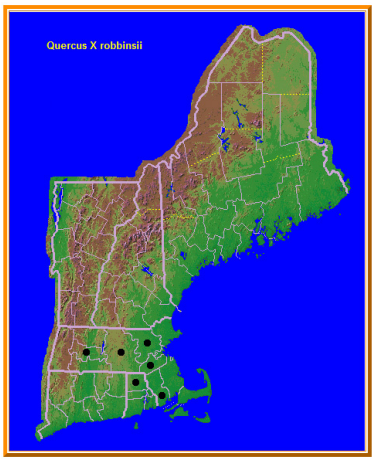
Quercus X ***fontana*** Laughlin - .
[*Q. coccinea* Münchhausen X *Q. velutina* Lamarck]

Quercus X ***hawkinsii*** Sudworth - .
[*Q. rubra* Linnaeus X *Q. velutina* Lamarck]

Quercus X ***jackiana*** C.K. Schneider - .
[*Q. alba* Linnaeus X *Q. bicolor* Willdenow]



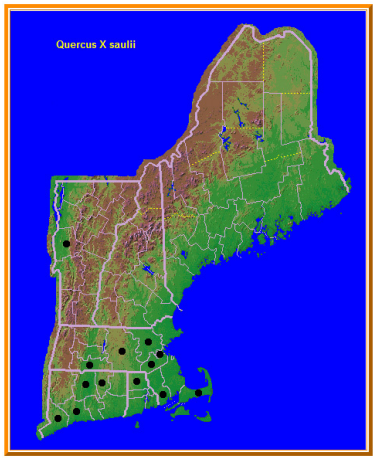


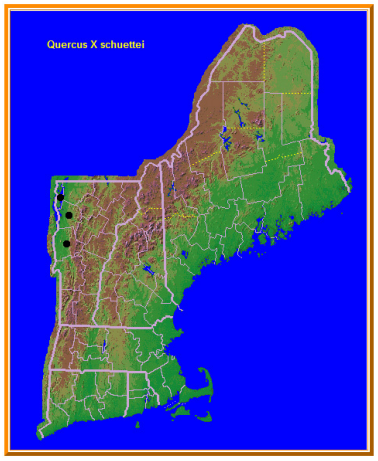


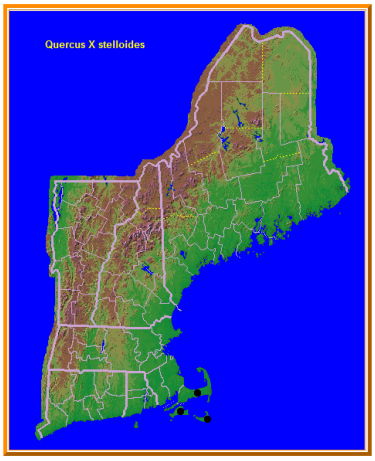
QUERCUS X ***LEANA*** Nuttall (*pro species*) - .
[*Q. IMBRICARIA* Michaux X *Q. velutina* Lamarck]

Quercus X ***rehderi*** Trelease - .
[*Q. ilicifolia* Wangenheim X *Q. velutina* Lamarck]

Quercus X ***robbinsii*** Trelease - .
[*Q. coccinea* Münchhausen X *Q. ilicifolia* Wangenheim]



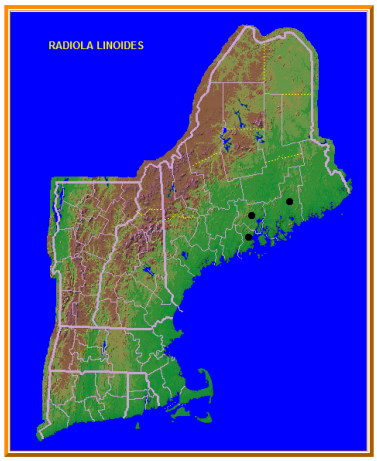


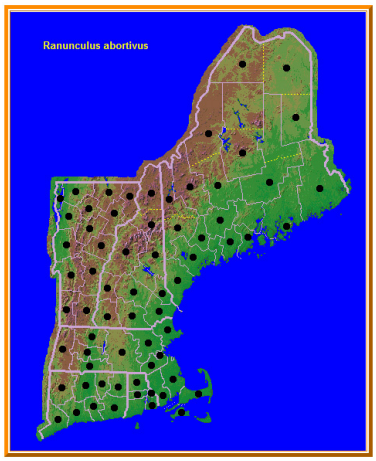


Quercus X ***saulii*** C.K. Schneider - .
[*Q. alba* Linnaeus X *Q. montana* Willdenow]

Quercus X ***schuettei*** Trelease - .
[*Q. bicolor* Willdenow X *Q. macrocarpa* Michaux]

Quercus X ***stelloides*** E.J. Palmer - .
[*Q. prinoides* Willdenow X *Q. stellata* Wangenheim]





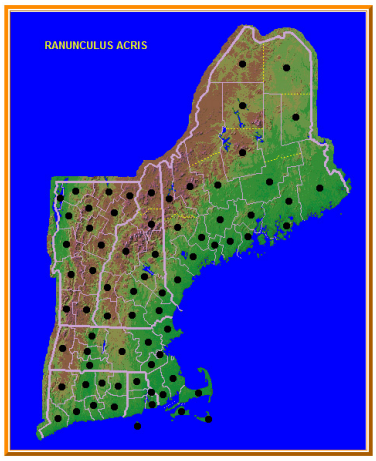
Quercus X ***vaga*** E.J. Palmer & Steyermark - .
[*Q. palustris* Münchhausen X *Q. velutina* Lamarck]

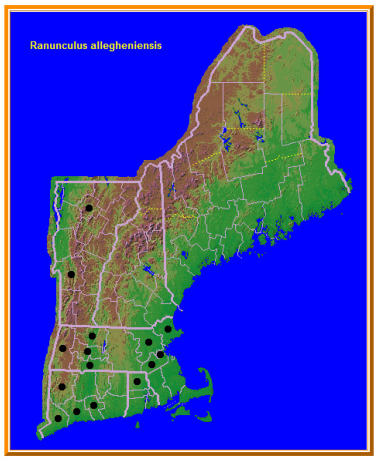
RADIOLA (Family: Linaceae)

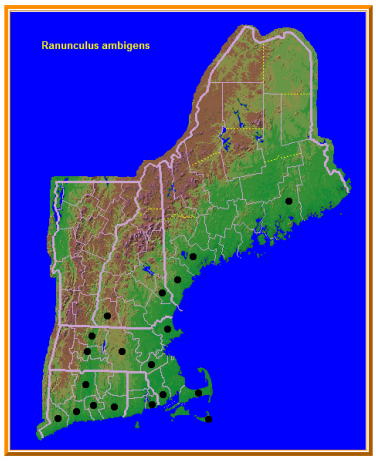
RADIOLA LINOIDES Roth - . 2n = 18.
Grassy turf bordering rocky beaches, pastures. From Eurasia, northern and central Africa. [*LINUM RADIOLA* Linnaeus; *MILLEGRANA RADIOLA* (Linnaeus) Druce]

RANUNCULUS (Family: Ranunculaceae)

Ranunculus abortivus Linnaeus - **Kidneyleaf Crowfoot**. 2n = 16.
Damp, rich woods. [*R. abortivus* var. *acrolasius* Fernald; *R. abortivus* var. *eucyclus* Fernald]



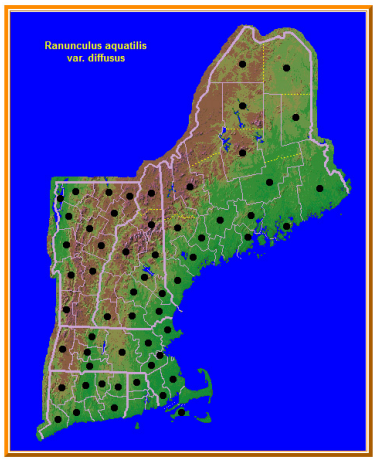


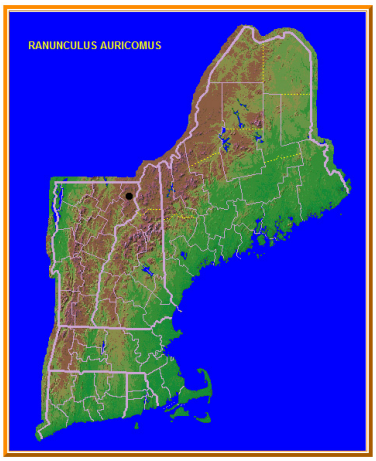


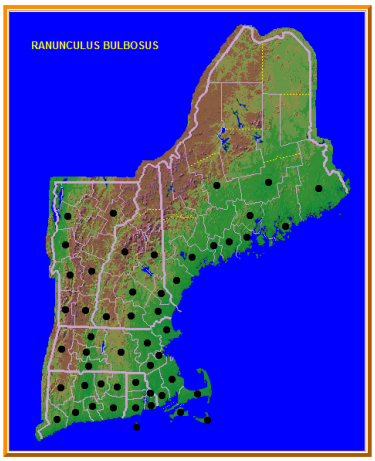
RANUNCULUS ACRIS Linnaeus - **Tall Buttercup**. 2n = 14, (28), (56).
Moist fields, meadows, roadsides. From Europe. *[R. ACRIS* var. *LATISECTUS* Beck]

Ranunculus allegheniensis Britton - **Mountain Crowfoot**. 2n = 16.
Damp, rocky woods in calcareous soil.

Ranunculus ambigens S. Watson - **Water-plantain Spearwort**. 2n = ?
Ponds, ditches, brooks.



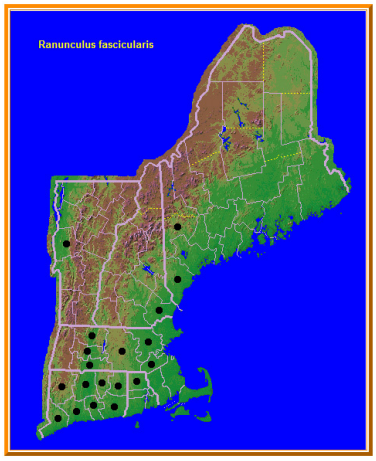


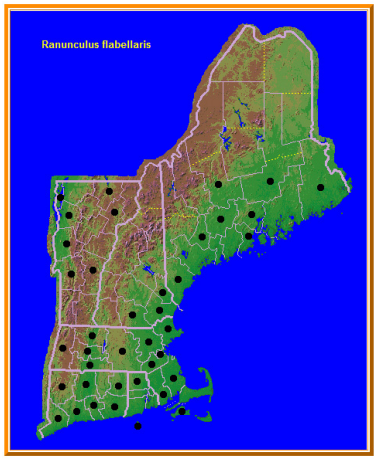


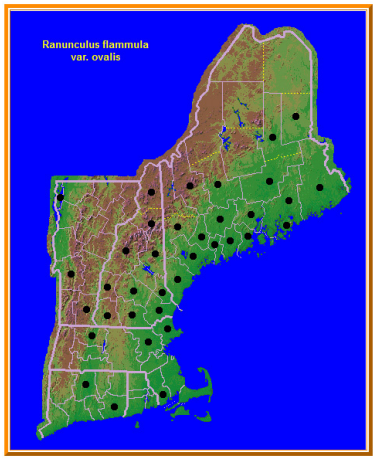
Ranunculus aquatilis Linnaeus var. ***diffusus*** Withering - **White Water Crowfoot**. 2n = (16), (24), 32, 48.
Ponds, lakes, slow streams. [*R. longirostris* Godron; *R. subrigidus* W.B. Drew; *R. trichophyllus* Chaix var. *trichophyllus*; *R. trichophyllus* Chaix var. *calvescens* W.B. Drew]

RANUNCULUS AURICOMUS Linnaeus - **Goldilocks Buttercup**. 2n = 16, (24), 32, (40), (48), (56).
Roadsides, fields. From Europe, Greenland.

RANUNCULUS BULBOSUS Linnaeus - **Bulbous Buttercup**. 2n = (14), 16.
Roadsides, fields, open woods. From Eurasia. [*R. BULBOSUS* var. *DISSECTUS* Babey; *R. BULBOSUS* var. *VALDEPUBENS* (Jordan) Briquet]



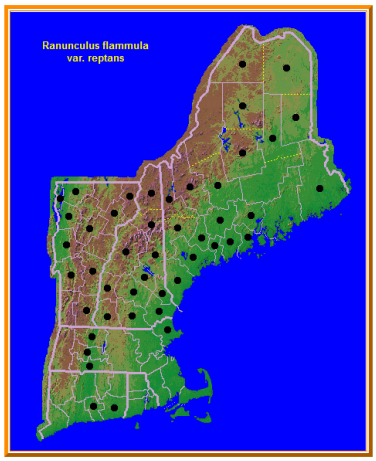


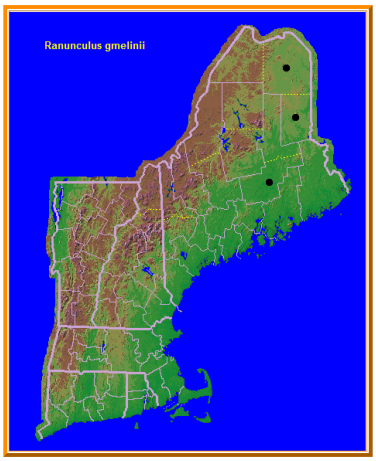


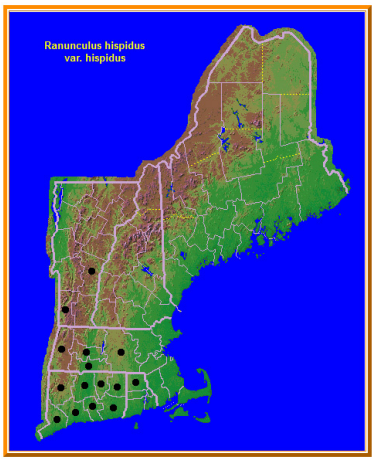
Ranunculus fascicularis Muhlenberg *ex* Bigelow - **Early Buttercup**. 2n = 32.
Open hillsides on thin soil, ledges (often calcareous).

Ranunculus flabellaris Rafinesque - **Yellow Water Buttercup**. 2n = 32.
Shallow water of ponds and quiet streams, drying mud.

Ranunculus flammula Linnaeus var. ***ovalis*** (Bigelow) L.D. Benson - **Creeping Spearwort**. 2n = 32.
Pond and river shores. [*R. reptans* Linnaeus var. *ovalis* (Bigelow) Torrey & A. Gray]



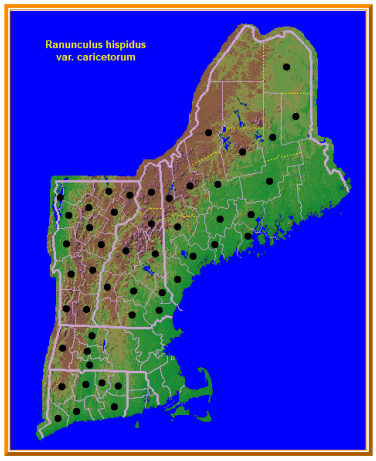


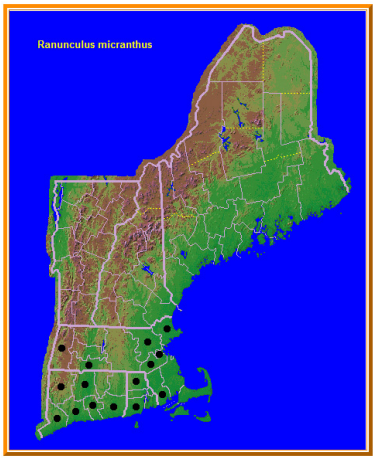


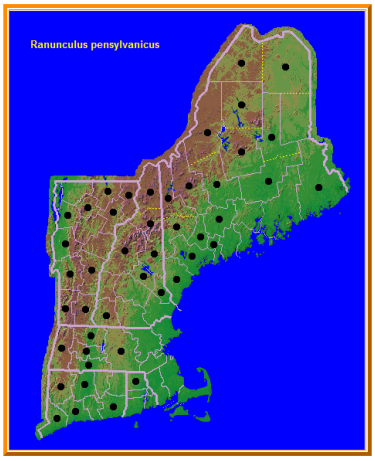
Ranunculus flammula Linnaeus var. ***reptans*** (Linnaeus) E. Meyer - **Creeping Spearwort**. 2n = (16), 32, (48).
Pond and river shores. [*R. reptans* Linnaeus var. *reptans*]

Ranunculus gmelinii de Candolle - **Small Yellow Water Buttercup**. 2n = 16, (24), 32, (64).
Muddy pools, brooks, ditches, shores. [*R. gmelinii* var. *hookeri* (D. Don) L.D. Benson]

Ranunculus hispidus Michaux var. ***hispidus*** - **Hispid Buttercup**. 2n = 32.
Dry, often rocky, woods. [*R. hispidus* var. *falsus* Fernald]



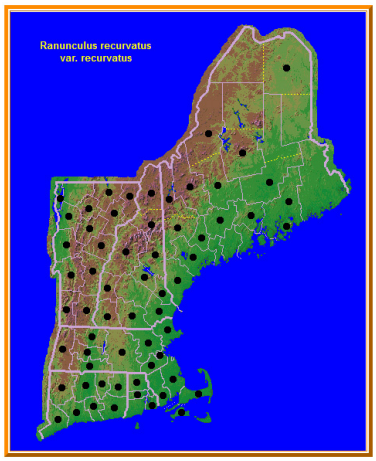


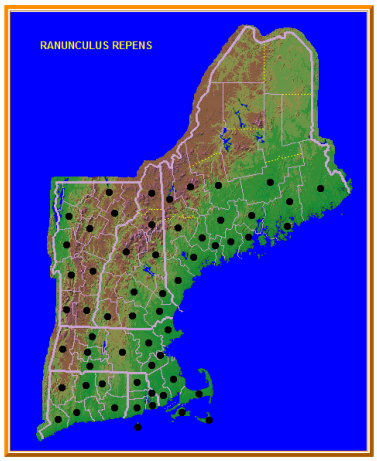


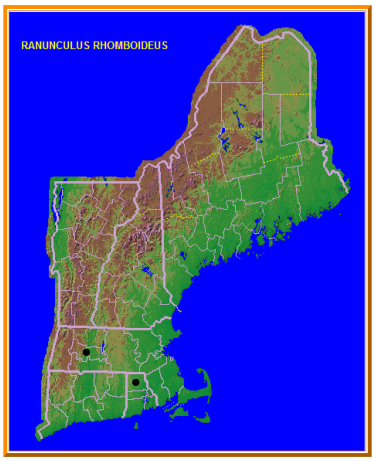
Ranunculus hispidus Michaux var. ***caricetorum*** (Greene) T. Duncan - **Swamp Buttercup**. 2n = 64.
Swampy woods, meadows. [*R. septentrionalis* Poiret var. *caricetorum* (Greene) Fernald]

Ranunculus micranthus Nuttall - **Rock Buttercup**. 2n = 16.
Rich, rocky woods. [*R. micranthus* var. *delitescens* (Greene) Fernald]

Ranunculus pensylvanicus Linnaeus (son) - **Bristly Crowfoot**. 2n = 16.
Meadows, ditches, shores, thickets.



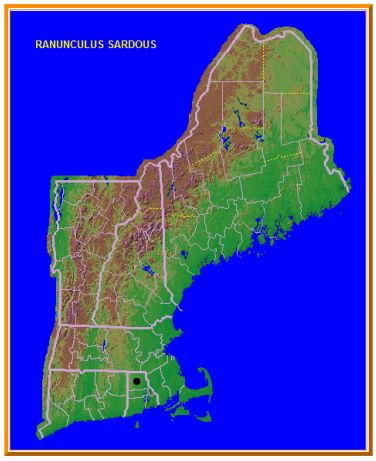


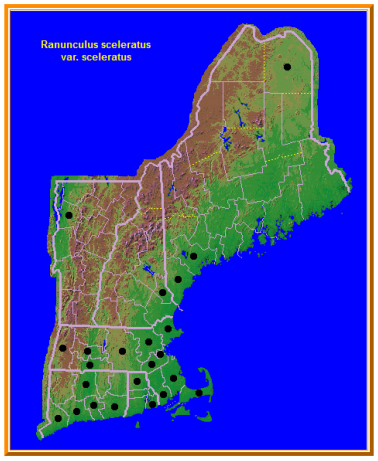


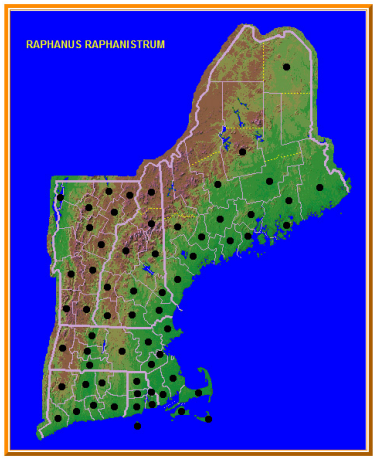
Ranunculus recurvatus Poiret var. ***recurvatus*** - **Hooked Crowfoot**. 2n = 14, 16, 28, 32.
Rich, moist woods, brooksides.

RANUNCULUS REPENS Linnaeus - **Creeping Buttercup**. 2n = (14), (16), (28), 32.
Wet, open ground, ditches, roadsides. From Eurasia. [*R. REPENS* var. *ERECTUS* de Candolle; *R. REPENS* var. *GLABRATUS* de Candolle; *R. REPENS* var. *LINEARILOBUS* de Candolle; *R. REPENS* var. *PLENIFLORUS* Fernald; *R. REPENS* var. *VILLOSUS* Lamotte]

RANUNCULUS RHOMBOIDEUS Goldie - **Prairie Buttercup**. 2n = 16.
Fields. From farther west.





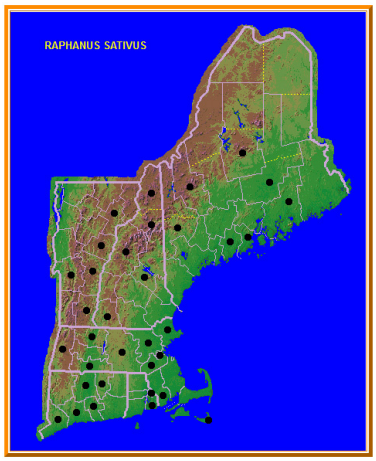


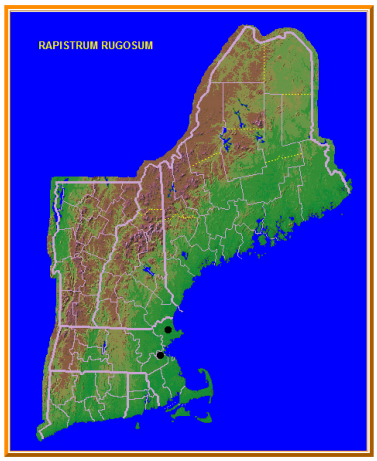
RANUNCULUS SARDOUS Crantz - **Hairy Buttercup**. 2n = 16, 32, (48).
Fields. From Europe.

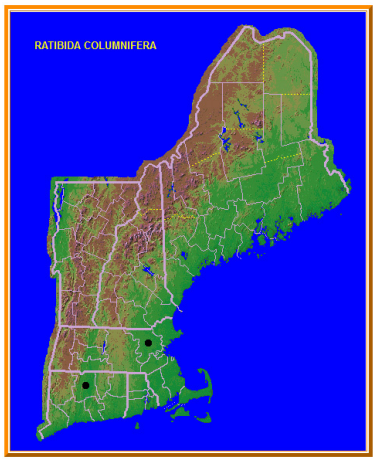
Ranunculus sceleratus Linnaeus var. ***sceleratus*** - **Cursed Crowfoot**. 2n = (16), 32, (56), (64).
Marshes, ditches, springy places.

RAPHANUS (Family: Brassicaceae)

RAPHANUS RAPHANISTRUM Linnaeus - **Wild Radish**. 2n = 18.
Fields, waste places, roadsides, railroads. From Eurasia.







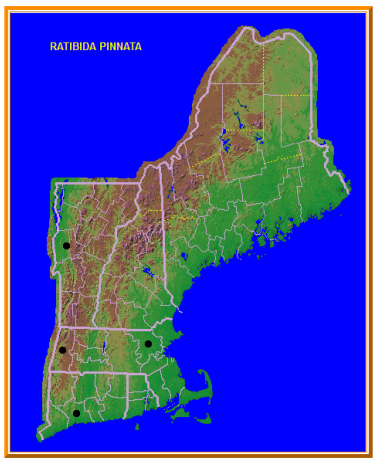
RAPHANUS SATIVUS Linnaeus - **Garden Radish**. 2n = 18, (28), (36).
Fields, roadsides, waste places. From Eurasia.

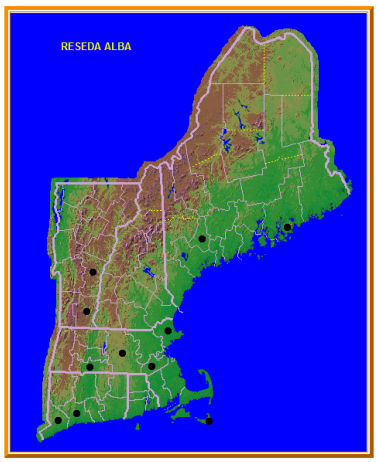
RAPISTRUM (Family: Brassicaceae)

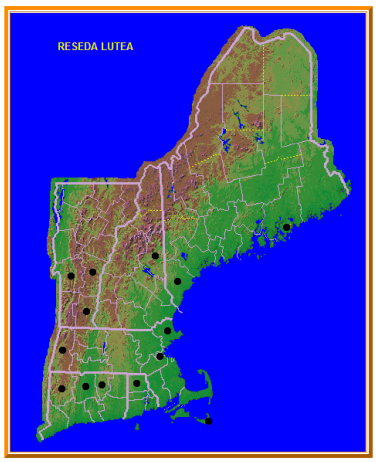
RAPISTRUM RUGOSUM (Linnaeus) Allioni - **Bastard Cabbage**. 2n = 16.
Waste places, roadsides. From Europe. [*R. RUGOSUM* var. *VENOSUM* (Persoon) de Candolle]

RATIBIDA (Family: Asteraceae)

RATIBIDA COLUMNIFERA (Nuttall) Wooten & Standley - . 2n = (26), (27), 28.
Fields. From farther west.





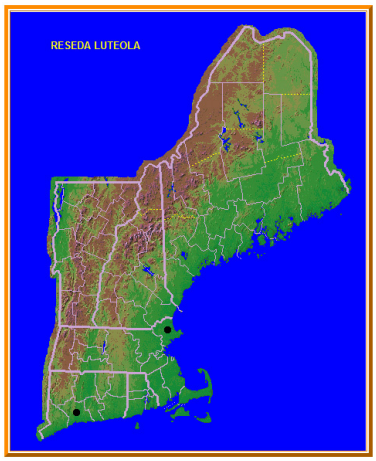


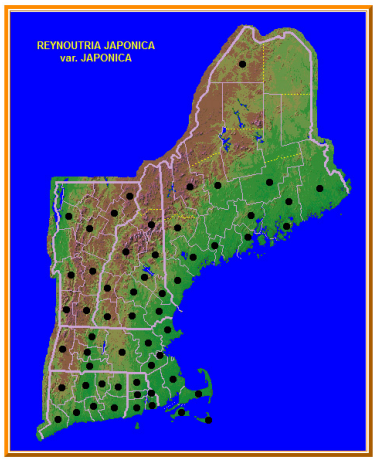
RATIBIDA PINNATA (Ventenat) Barnhart - **Grayhead Prairie-coneflower**. 2n = 28.
Waste areas, roadsides. From farther west and south.

RESEDA (Family: Resedaceae)

RESEDA ALBA Linnaeus - **White Mignonette**. 2n = (20), 40.
Waste places, roadsides. From Eurasia, northern Africa.

RESEDA LUTEA Linnaeus - **Yellow Mignonette**. 2n = (24), 48.
Fields, roadsides, waste places. From Eurasia, northern Africa.



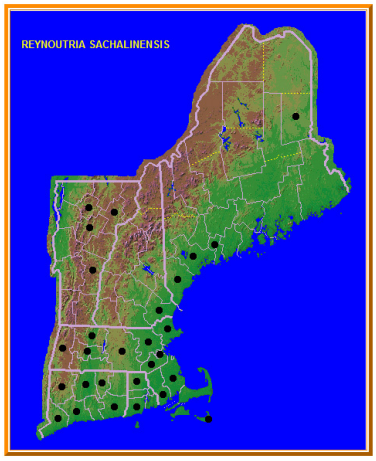


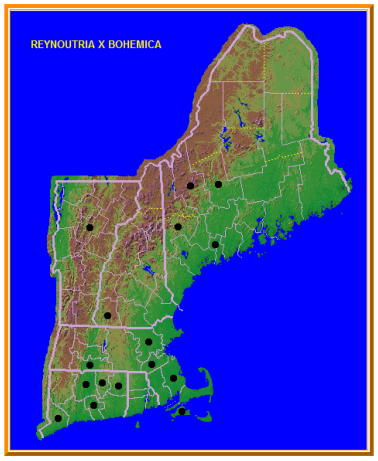
RESEDA LUTEOLA Linnaeus - **Dyer's Rocket**. 2n = (24), 26.
Waste places. From Eurasia, northern Africa.

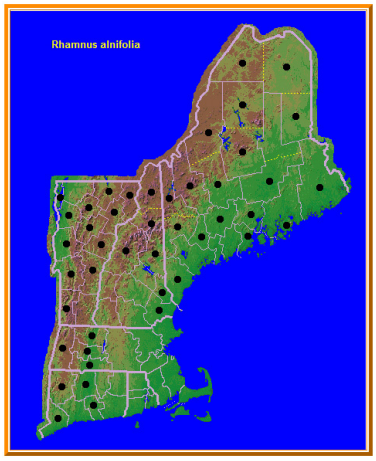
RESEDA ODORATA Linnaeus - **Garden Mignonette**. 2n = 12, (14).
Waste places. From northern Africa.

REYNOUTRIA (Family: Polygonaceae)

REYNOUTRIA JAPONICA Houttuyn var. ***JAPONICA*** - **Japanese Knotweed**. 2n = 44, 66, 88.
Roadsides, waste places, forest margins. From eastern Asia. [*FALLOPIA JAPONICA* (Houttuyn) Ronse Decraene; *POLYGONUM CUSPIDATUM* Siebold & Zuccarini]







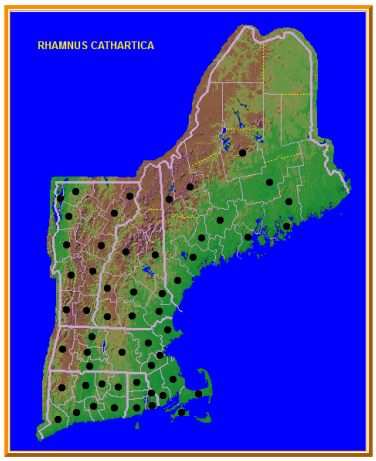
REYNOUTRIA SACHALINENSIS Nakai - **Giant Knotweed**. 2n = (32), 44, (66), (88), (102), (132).
Roadsides, waste places. From eastern Asia. [*FALLOPIA SACHALINENSIS* (F. Schmidt) Ronse Decraene; *POLYGONUM SACHALINENSE* F. Schmidt]

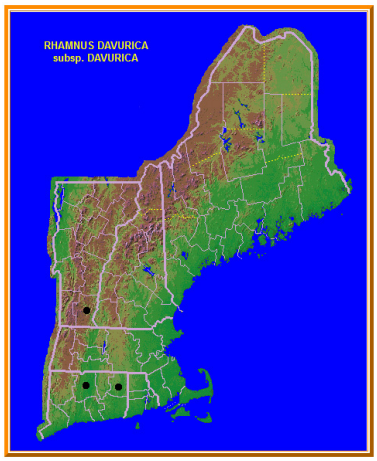
***Reynoutria* hybrid**

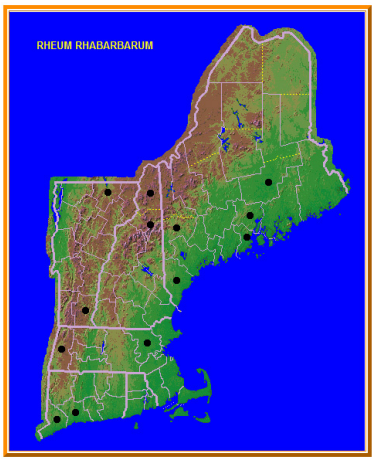
REYNOUTRIA X ***BOHEMICA*** Chrtek & Chrtková - . 2n = 44, 66, 88.
[*FALLOPIA* X *BOHEMICA* (Chrtek & Chrtková) J.P. Bailey; *F. JAPONICA* (Houttuyn) Ronse Decraene var. *JAPONICA* X *F. SACHALINENSIS* (F. Schmidt) Ronse Decraene]

RHAMNUS (Family: Rhamnaceae)

Rhamnus alnifolia L'Héritier - **American Alder Buckthorn**. 2n = 24.
Bogs, swamps, damp thickets, often with *Thuja*.





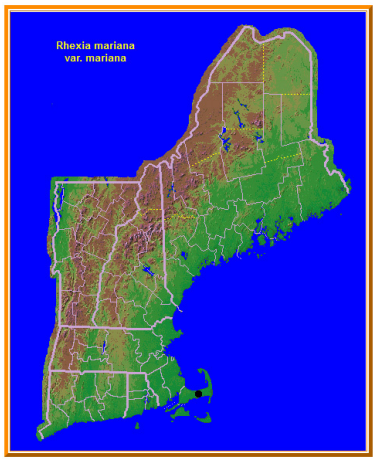


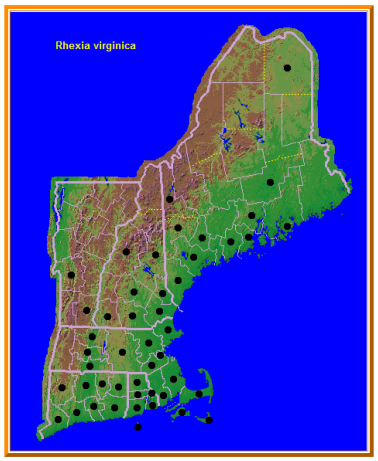
RHAMNUS CATHARTICA Linnaeus - **Common Buckthorn**. 2n = 24.
Hedgerows, thickets, roadsides, fields, open woodlands. From Eurasia, northwestern Africa.

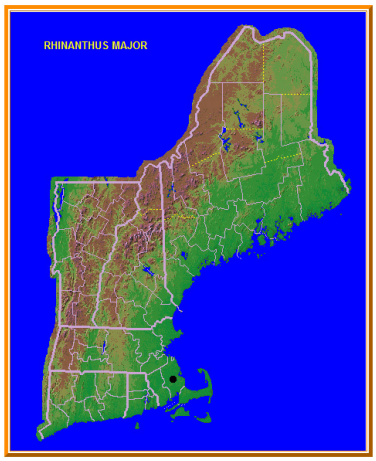
RHAMNUS DAVURICA Pallas subsp. ***DAVURICA*** - . 2n = 24.
Roadsides, woodlands. From eastern Asia. [*R. CITRIFOLIA* misapplied]

RHEUM (Family: Polygonaceae)

RHEUM RHABARBARUM Linnaeus - **Garden Rhubarb**. 2n = (22), 44.
Roadsides, old house sites. From Eurasia. [*R. RHAPONTICUM* misapplied]







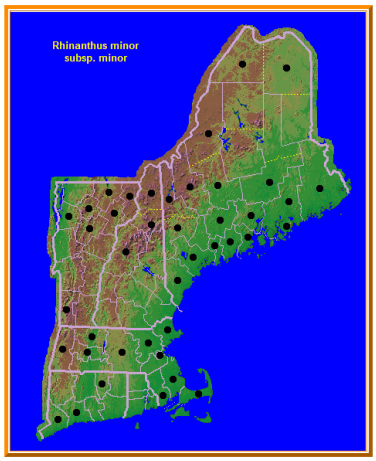
RHEXIA (Family: Melastomataceae)

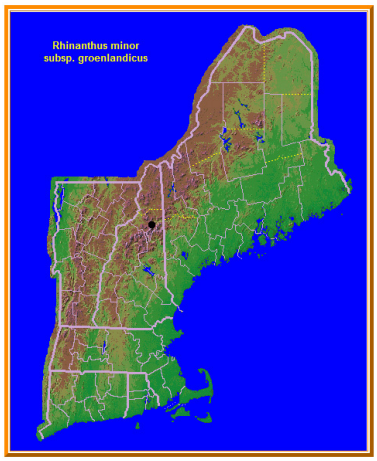
Rhexia mariana Linnaeus var. ***mariana*** - . 2n = 22, 44.
Pond shores.

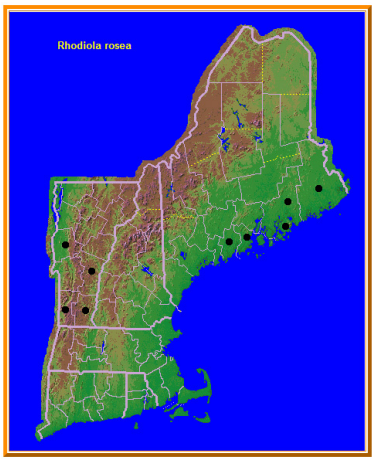
Rhexia virginica Linnaeus - **Common Meadow-beauty**. 2n = 22, 44.
Peaty meadows, pond shores.

RHINANTHUS (Family: Orobanchaceae)

RHINANTHUS MAJOR Linnaeus - . 2n = 14, 22.
Wet meadows. From Europe. [*R. ALECTOROLOPHUS* (Scopoli) Pollich]





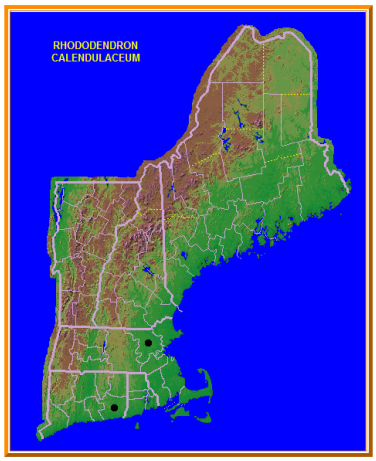


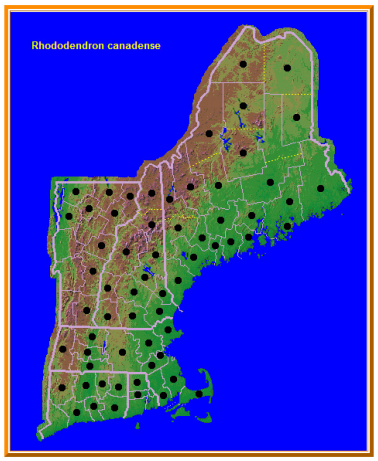
Rhinanthus minor Linnaeus subsp. ***minor*** - . 2n = (14), 22.
Fields, roadsides, thickets, clearings. [*R. crista-galli* misapplied; *R. crista-galli* Linnaeus var. *fallax* W.D.J. Koch *ex* E.F. Linton]

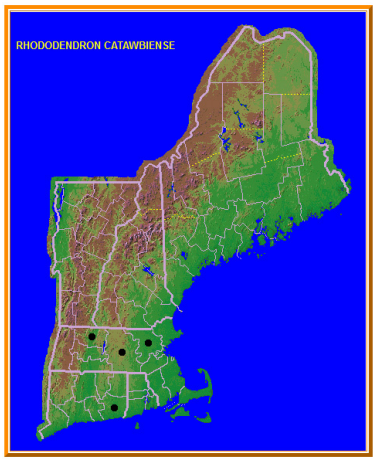
Rhinanthus minor Linnaeus subsp. ***groenlandicus*** (Chabert) Neuman - . 2n = 22.
Turfy subalpine slopes. [*R. borealis* (Sterneck) Chabert]

RHODIOLA (Family: Crassulaceae)

Rhodiola rosea Linnaeus - **Roseroot**. 2n = 22.
Sea cliffs, rocky ledges. [*Sedum rosea* (Linnaeus) Scopoli]





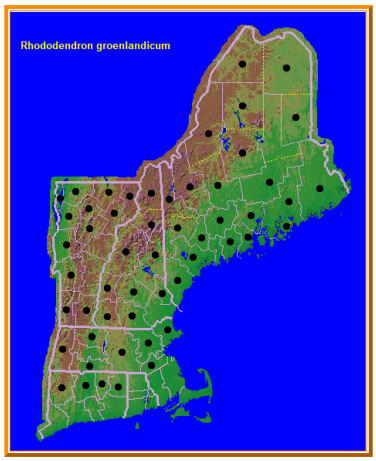


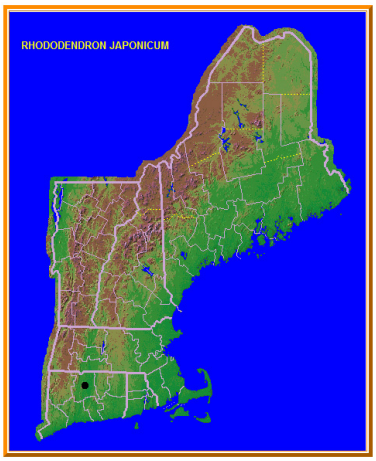
RHODODENDRON (Family: Ericaceae)

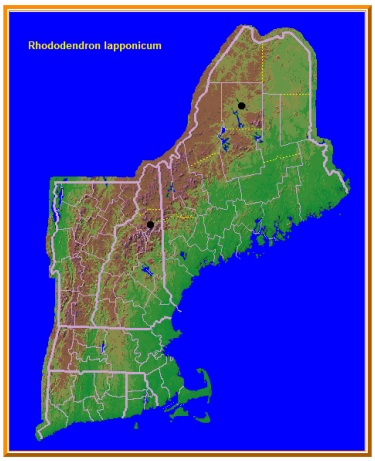
RHODODENDRON CALENDULACEUM (Michaux) Torrey - **Flame Azalea**. 2n = 52.
Roadsides, woods. From farther south and west.

Rhododendron canadense (Linnaeus) Torrey - **Rhodora**. 2n = 52.
Bogs, swamps, damp thickets, acid barrens, open, rocky summits and slopes.

RHODODENDRON CATAWBIENSE Michaux - **Mountain Rosebay**. 2n = 26.
Low or wet woods. From farther south.



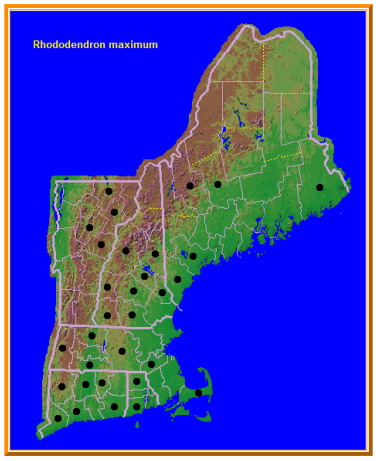


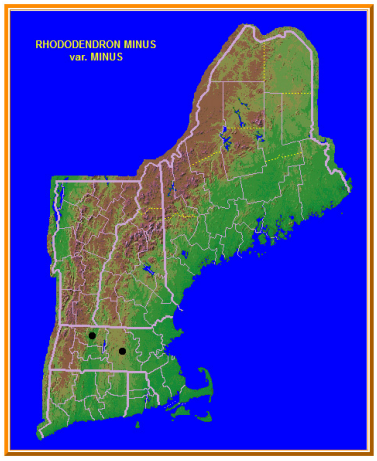


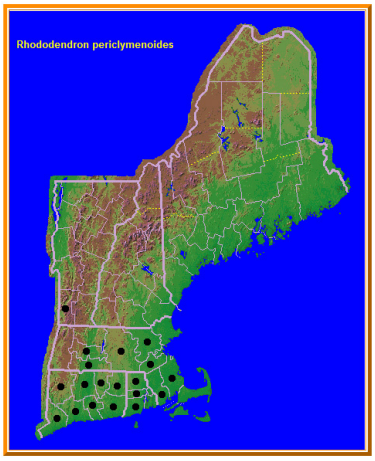
Rhododendron groenlandicum (Oeder) Kron & Judd - **Labrador Tea**. 2n = 26.
Peaty soils, especially *Sphagnum* bogs and sphagnous swamps. [*Ledum groenlandicum* Oeder]

RHODODENDRON JAPONICUM (A. Gray) Suringar - **Japanese Azalea**. 2n = 26.
Swampy woods. From Japan.

Rhododendron lapponicum (Linnaeus) Wahlenberg - **Lapland Rosebay**. 2n = 26, (52).
Alpine barrens.



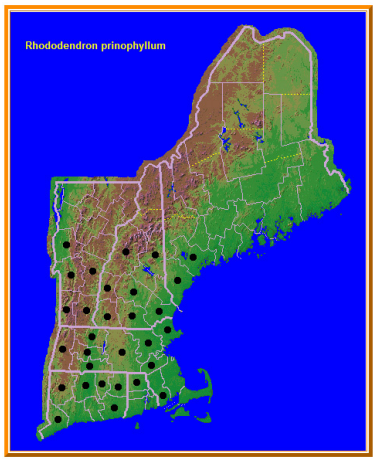


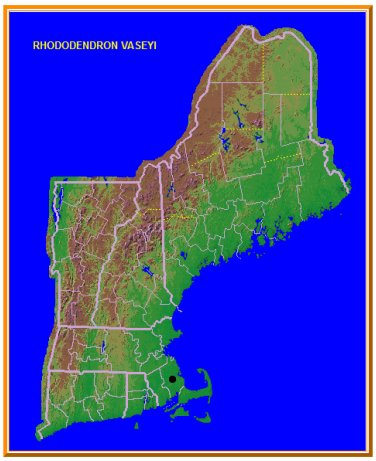


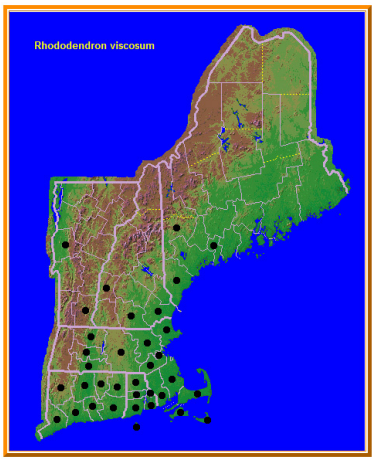
Rhododendron maximum Linnaeus - **Rosebay**. 2n = 26.
Damp woods, swamp margins.

RHODODENDRON MINUS Michaux var. ***MINUS*** - **Piedmont Rhododendron**. 2n = 26.
Woods. From farther south. [*R. CAROLINIANUM* Rehder]

Rhododendron periclymenoides (Michaux) Shinners - **Pinxter-flower**. 2n = 26.
Bogs, swamps, wet woods, thickets. [*R. nudiflorum* misapplied]



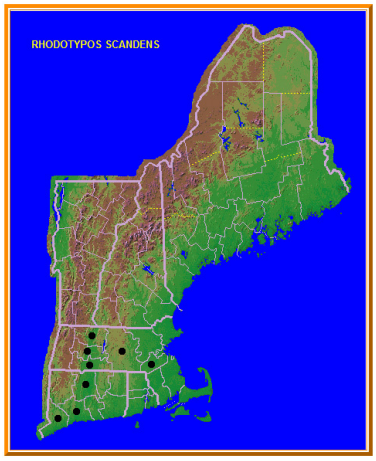


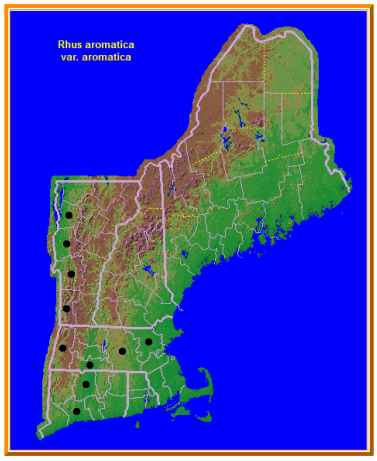


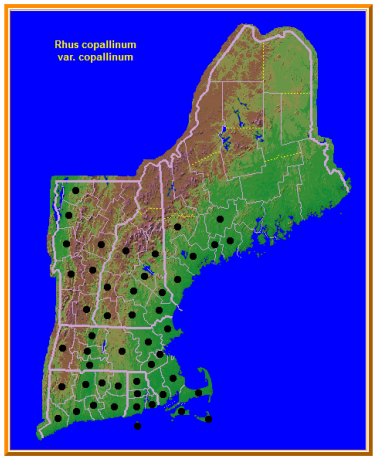
Rhododendron prinophyllum (Small) Millais - **Roseshell Azalea**. 2n = 26.
Damp thickets, banks of streams, wet or dry, rocky woods. [*R. roseum* misapplied]

RHODODENDRON VASEYI A. Gray - **Pinkshell Azalea**. 2n = 26.
Swampy woods. From farther south.

Rhododendron viscosum (Linnaeus) Torrey - **Swamp Azalea**. 2n = 26.
Swampy thickets, shores, damp clearings.







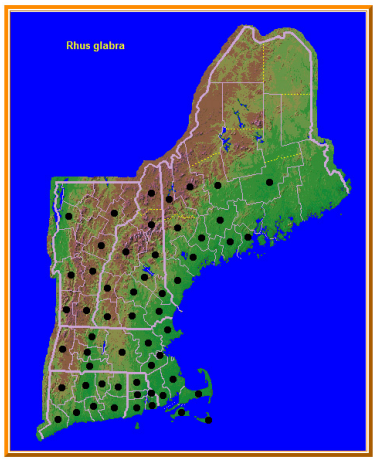
RHODOTYPUS (Family: Rosaceae)

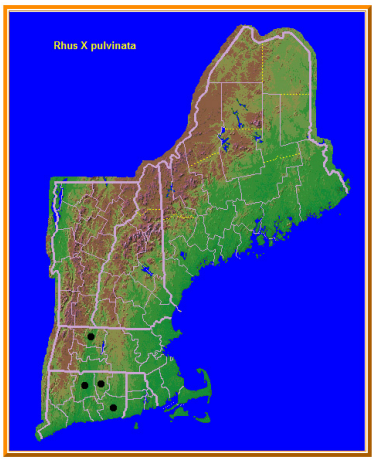
RHODOTYPOS SCANDENS (Thunberg) Makino - **Jetbead**. 2n = 18.
Waste places, dry, oak-hickory woods, roadsides. From eastern Asia.

RHUS (Family: Anacardiaceae)

Rhus aromatica Aiton var. ***aromatica*** - **Fragrant Sumac**. 2n = ?
Dry ledges, rocky woodlands, often in calcareous soil, thickets as an escape.

Rhus copallinum Linnaeus var. ***copallinum*** - **Winged Sumac**. 2n = ?
Dry woodlands, openings and thickets, roadsides. [*R. copallinum* var. *latifolia* Engler]



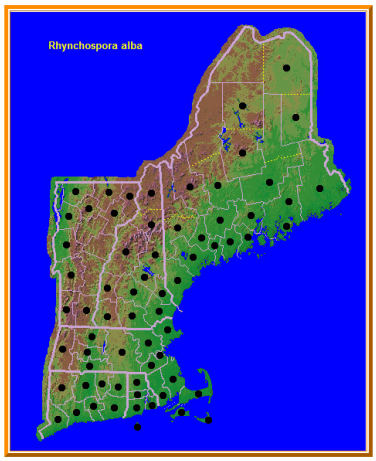


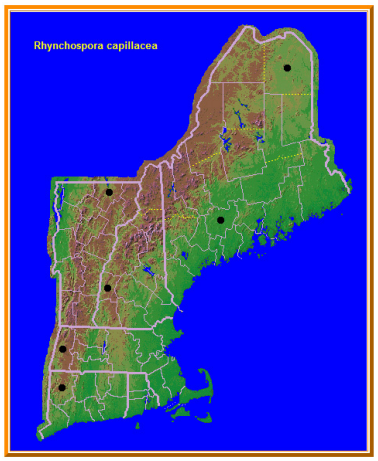
Rhus glabra Linnaeus - **Smooth Sumac**. 2n = 30.
Dry fields, roadsides, woodland margins.

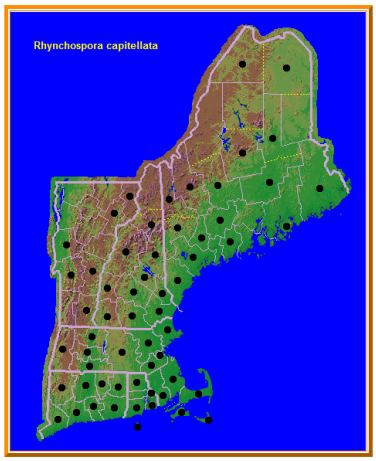
Rhus typhina Linnaeus - **Staghorn Sumac**. 2n = 30.
Open, wooded slopes, woodland margins, fields, roadsides, in dry, rocky or gravelly soil. [*R. hirta* (Linnaeus) Sudworth - rejected name]

***Rhus* hybrid**

Rhus X ***pulvinata*** Greene (*pro species*) - .
[*R. glabra* Linnaeus X *R. typhina* Linnaeus; *R.* X *borealis* (Britton) Greene; *R. glabra* Linnaeus var. *borealis* Britton]





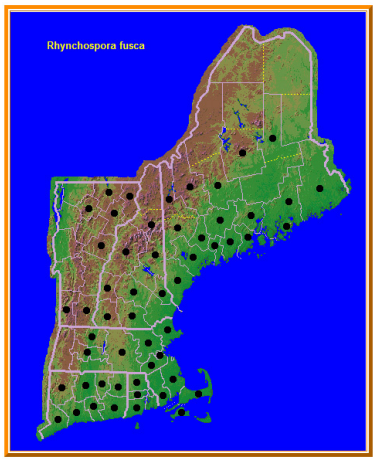


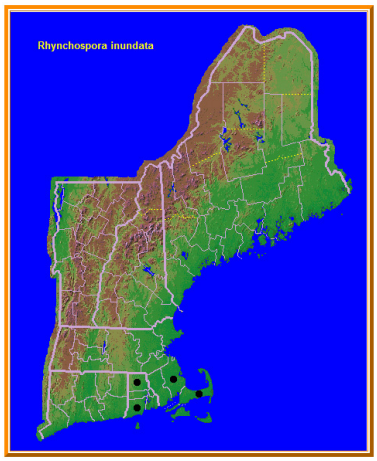
RHYNCHOSPORA (Family: Cyperaceae)

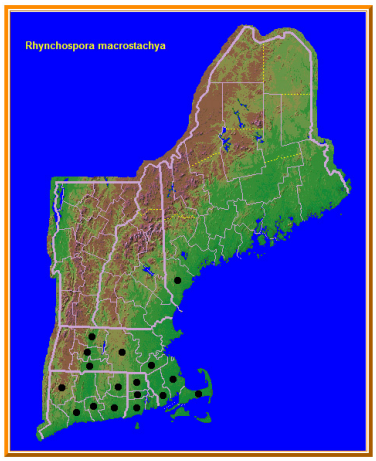
Rhynchospora alba (Linnaeus) Vahl - . 2n = 26, (42).
Sphagnum bogs.

Rhynchospora capillacea Torrey - . 2n = 26.
Sphagnum bogs, sandy shores, moist, calcareous ledges.

Rhynchospora capitellata (Michaux) Vahl - . 2n = ?
Meadows, shores, low, wet ground.



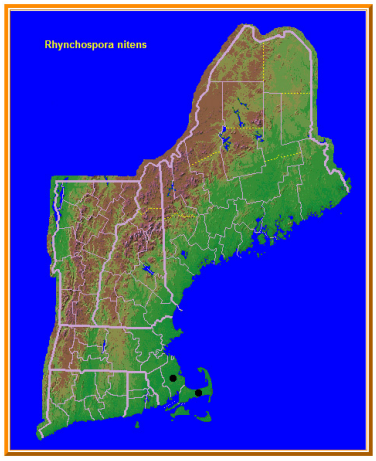


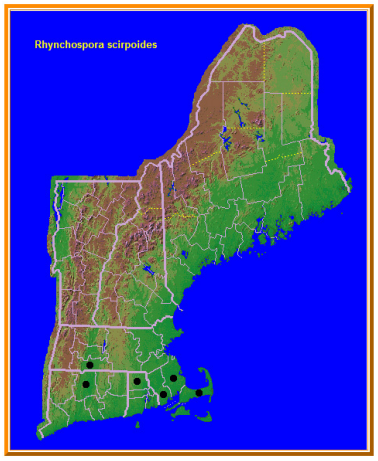


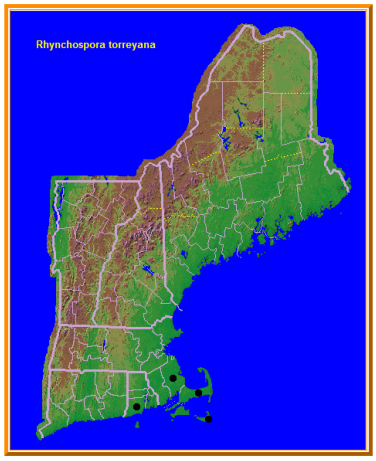
Rhynchospora fusca (Linnaeus) W.T. Aiton - . 2n = 26, 32.
Bogs, sandy or sphagnous shores.

Rhynchospora inundata (Oakes) Fernald - **Horned Rush**. 2n = ?
Pond shores, interdunal pools.

Rhynchospora macrostachya Torrey *ex* A. Gray - **Horned Rush**. 2n = 18.
Acidic, sandy or sphagnous pond shores.



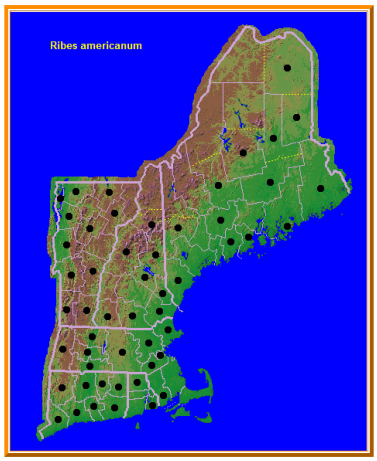


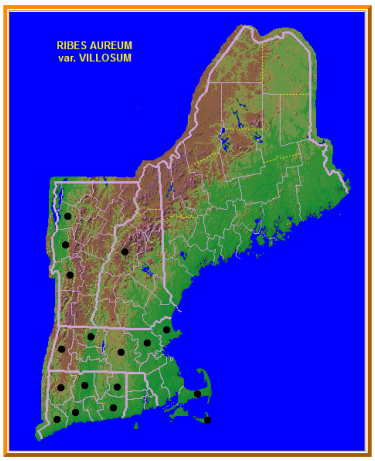


Rhynchospora nitens (Vahl) A. Gray - . 2n = ?
Acidic, sandy or sphagnous pond shores. [*Psilocarya nitens* (Vahl) Alph. Wood]

Rhynchospora scirpoides (Torrey) Grisebach - . 2n = ?
Acidic, sandy or sphagnous pond shores. [*Psilocarya scirpoides* Torrey]

Rhynchospora torreyana A. Gray - . 2n = ?
Acidic, sandy or sphagnous pond shores of the coastal plain.





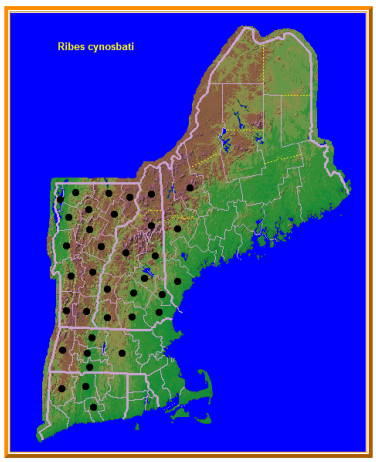
***Rhynchospora* hybrid**

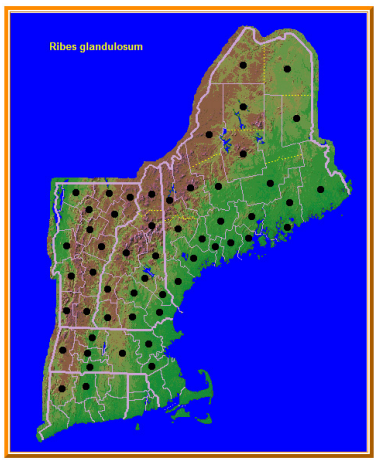
Rhynchospora alba (Linnaeus) Vahl X ***R. capitellata*** (Michaux) Vahl - .

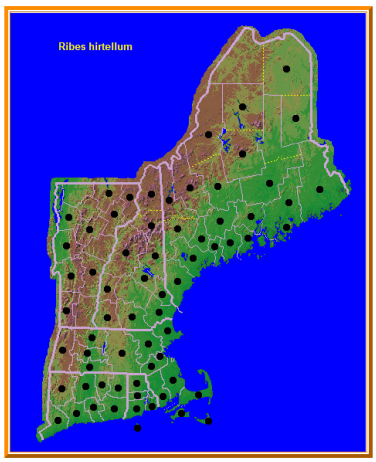
RIBES (Family: Grossulariaceae)

Ribes americanum Miller - **Wild Black Currant**. 2n = 16.
Rich, wet thickets and slopes.

RIBES AUREUM Pursh var. ***VILLOSUM*** de Candolle - **Buffalo Currant**. 2n = 16.
Old house sites, roadsides. From farther west. [*R. ODORATUM* H.L. Wendland]



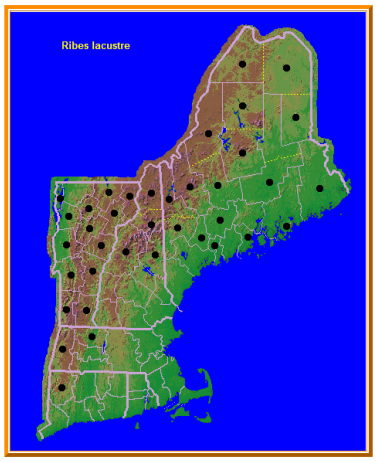


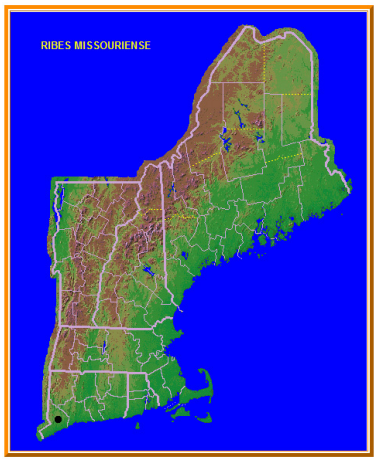


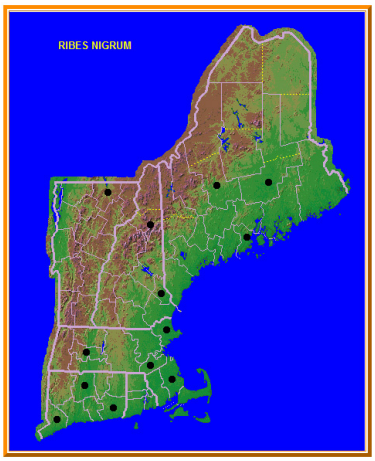
Ribes cynosbati Linnaeus - **Prickly Gooseberry**. 2n = 16.
Rich, open, usually moist, woods.

Ribes glandulosum Grauer - **Skunk Currant**. 2n = 16.
Wet woods and clearings.

Ribes hirtellum Michaux - **Smooth Gooseberry**. 2n = 16.
Rocky woods, swamps. [*R. hirtellum* var. *calcicola* (Fernald) Fernald; *R. hirtellum* var. *saxosum* (Hooker) Fernald]



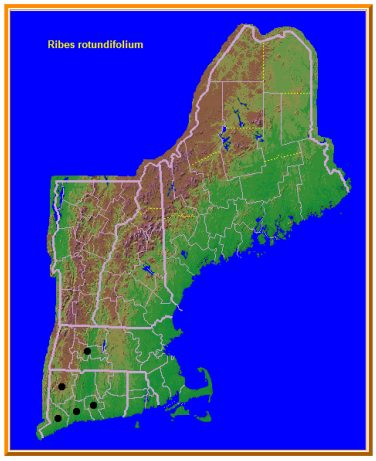


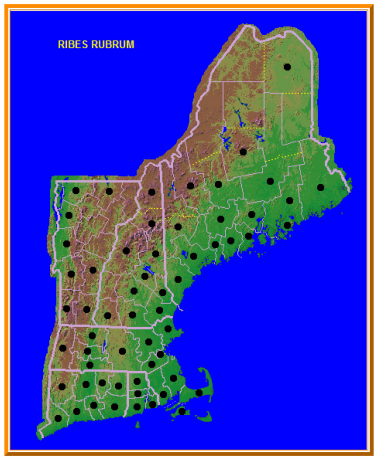


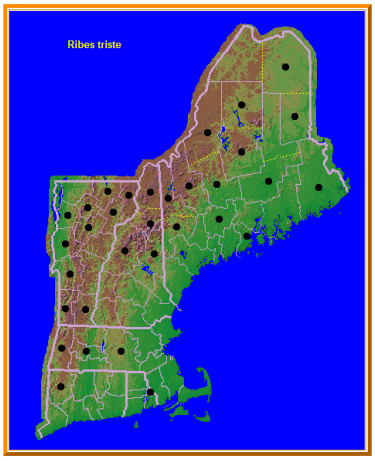
Ribes lacustre (Persoon) Poiret - **Bristly Black Currant**. 2n = 16.
Cold woods and swamps.

RIBES MISSOURIENSE Nuttall - **Missouri Gooseberry**. 2n = 16.
Roadsides. From farther west.

RIBES NIGRUM Linnaeus - **Garden Black Currant**. 2n = 16, (24), (32).
Thickets, old house sites. From Eurasia.



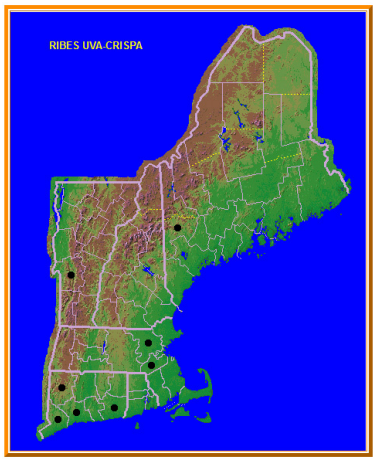


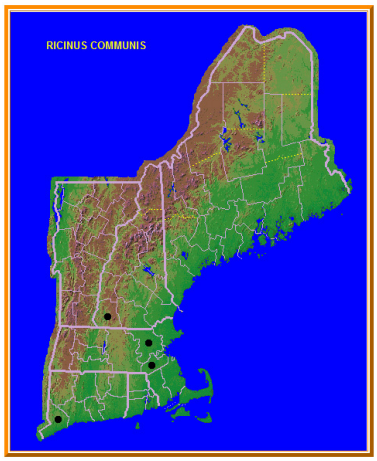


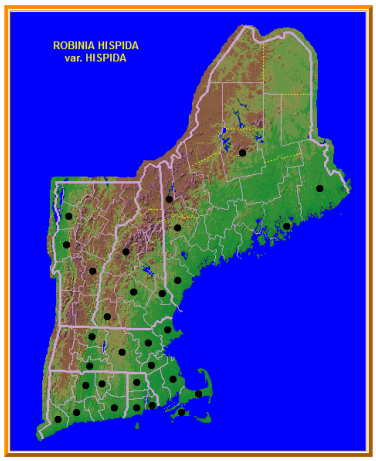
Ribes rotundifolium Michaux - **Appalachian Gooseberry**. 2n = ?
Open rocky places and thickets.

RIBES RUBRUM Linnaeus - **Red Garden Currant**. 2n = 16.
Old house sites, thickets, riverbanks, open woods, roadsides. From Europe. [*R. sativum* (Reichenbach) Syme]

Ribes triste Pallas - **Wild Red Currant**. 2n = 16.
Swampy woods, subalpine ravines.







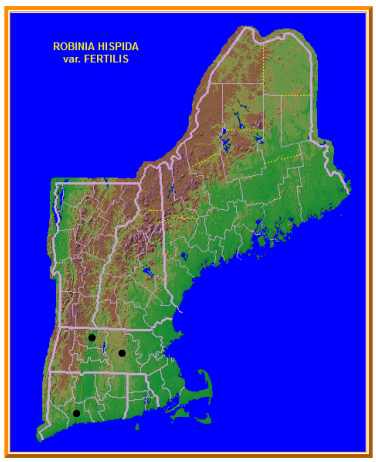
RIBES UVA-CRISPA Linnaeus - **European Gooseberry**. 2n = 16.
Fields, roadsides, thickets, woods. From Europe and northern Africa. [*R. GROSSULARIA* Linnaeus]

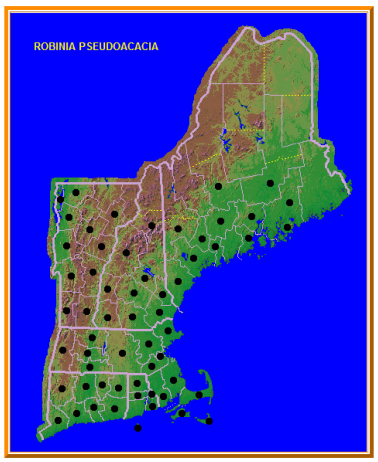
RICINUS (Family: Euphorbiaceae)

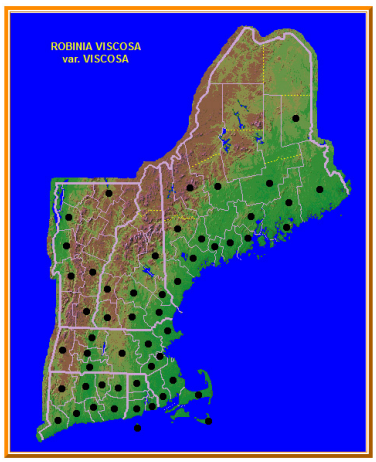
RICINUS COMMUNIS Linnaeus - **Castor-bean**. 2n = 20.
Waste places, railroads. Probably from Africa.

ROBINIA (Family: Fabaceae)

ROBINIA HISPIDA Linnaeus var. ***HISPIDA*** - **Bristly Locust**. 2n = 30.
Roadsides, fields, sandy hills, rocky woodland margins, waste places. From farther south.



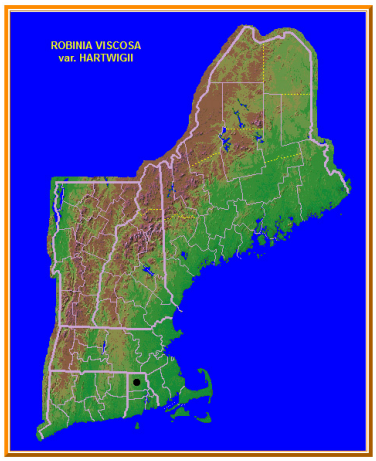


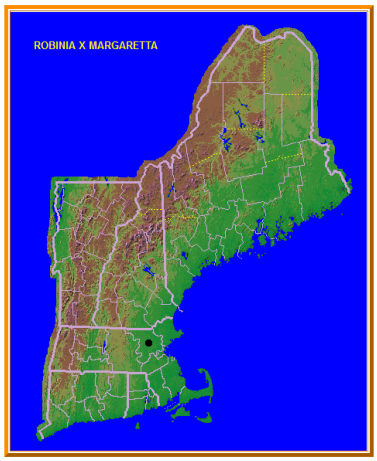


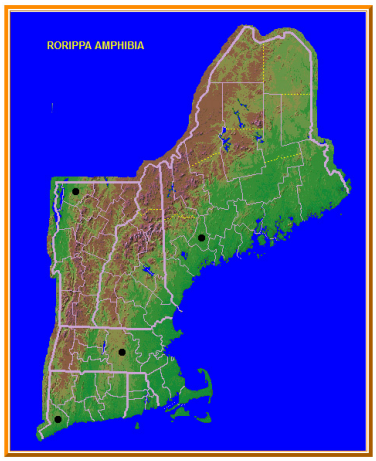
ROBINIA HISPIDA Linnaeus var. ***FERTILIS*** (Ashe) R.T. Clausen - . 2n = 20.
Roadsides. From farther south.

ROBINIA PSEUDOACACIA Linnaeus - **Black Locust**. 2n = 20, 22.
Roadsides, fields, thickets, woodland margins, waste places. From farther west and south.

ROBINIA VISCOSA Ventenat var. ***VISCOSA*** - **Clammy Locust**. 2n = 20.
Roadsides, fields, waste places, thickets, often in sandy soil. From farther south.







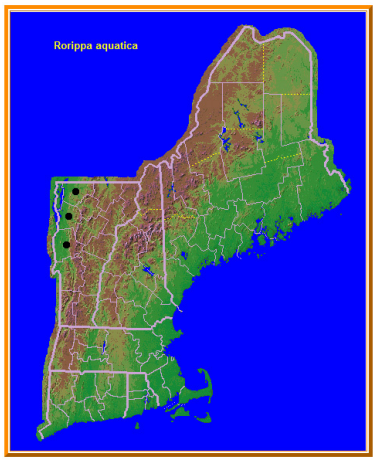
ROBINIA VISCOSA Ventenat var. ***HARTWIGII*** (Koehne) Ashe - . 2n = 20.
Roadsides. From farther south. [*R. HARTWIGII* Koehne]

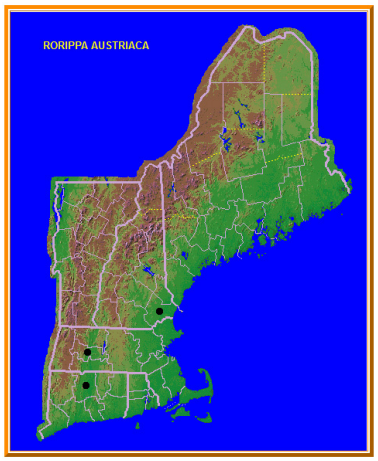
***Robinia* hybrid**

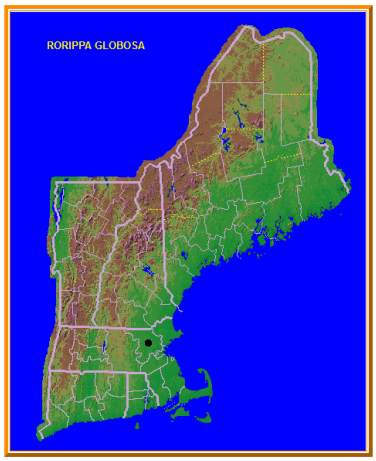
ROBINIA X ***MARGARETTA*** Ashe (*pro species*) - .
[*R. HISPIDA* Linnaeus var. *HISPIDA* X *R. PSEUDOACACIA* Linnaeus]

RORIPPA (Family: Brassicaceae)

RORIPPA AMPHIBIA (Linnaeus) Besser - **Great Yellow-cress**. 2n = 16, 32, (48).
Quiet water, shores, waste places. From Eurasia.



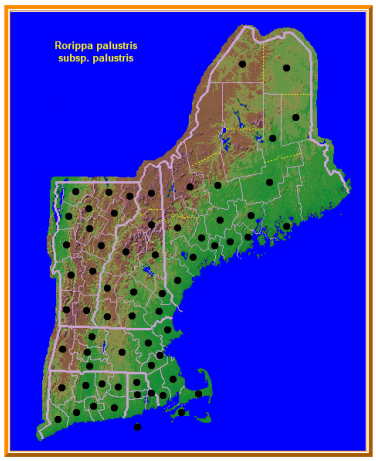


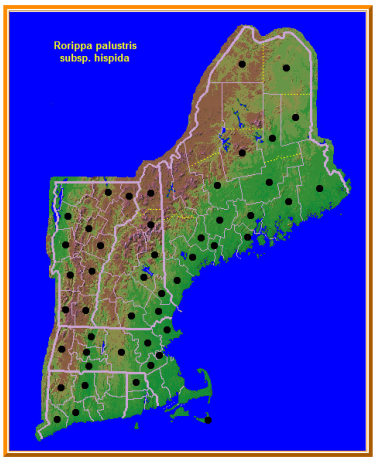


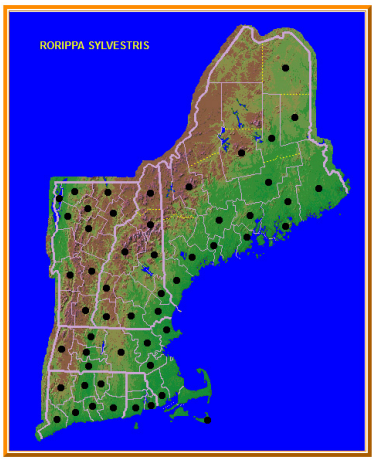
Rorippa aquatica (Eaton) E.J. Palmer & Steyermark - **Lake-cress**. 2n = 24.
Lakes, quiet streams. [*Armoracia aquatica* (Eaton) Wiegand; *A. lacustris* (A. Gray) Al-Shehbaz & V.M. Bates; *Neobeckia aquatica* (Eaton) Greene]

RORIPPA AUSTRIACA (Cranz) Besser - **Austrian Yellow-cress**. 2n = 16.
Low fields, muddy shores, ditches. From Europe.

RORIPPA GLOBOSA (Turczaninow *ex* Fischer & C.A. Meyer) Hayek - **Wind Cauliflower**. 2n = 16.
Waste places. From eastern Asia.



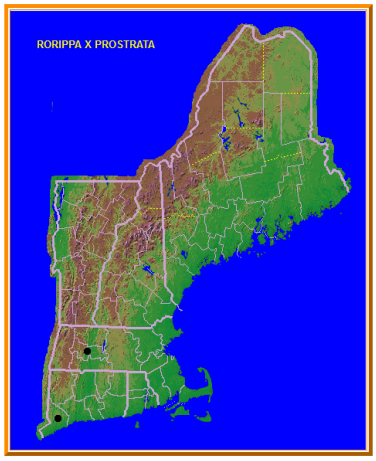


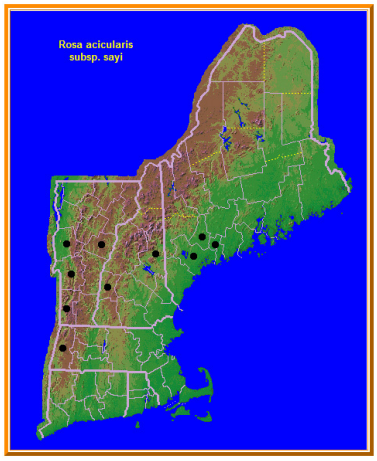


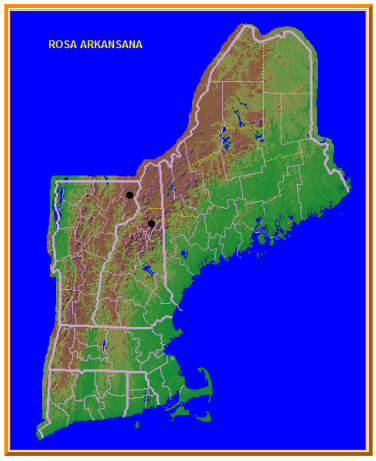
Rorippa palustris (Linnaeus) Besser subsp. ***palustris*** - **Lake-cress**. 2n = 32.
Shores, damp openings, ditches. [*R. palustris* subsp. *fernaldiana* (Butters & Abbe) Jonsell; *R. islandica* (Oeder *ex* Murray) Borbás var. *fernaldiana* Butters & Abbe; *R. islandica* var. *islandica* - misapplied]

Rorippa palustris (Linnaeus) Besser subsp. ***hispida*** (Desvaux) Jonsell - . 2n = 32.
Shores, damp openings, waste places. [*R. islandica* (Oeder *ex* Murray) Borbás var. *hispida* (Desvaux) Butters & Abbe; *R. islandica* var. *islandica* - misapplied]

RORIPPA SYLVESTRIS (Linnaeus) Besser - **Creeping Yellow-cress**. 2n = (16), 32, 40, 48, (96).
Wet roadsides, meadows, other wet places. From Eurasia.







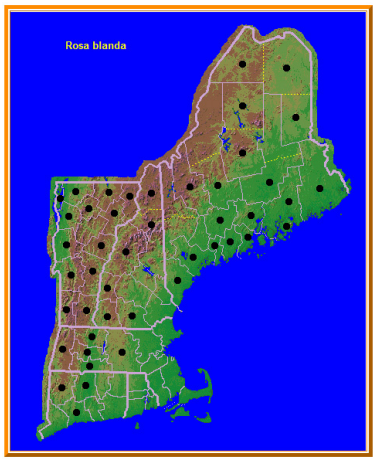
***Rorippa* hybrid**

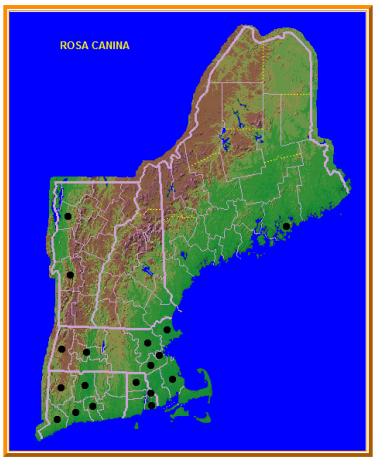
RORIPPA X ***PROSTRATA*** (J.P. Bergeret) Schinz & Thellung (*pro species*) - .
[*R. AMPHIBIA* (Linnaeus) Besser X *R. SYLVESTRIS* (Linnaeus) Besser]

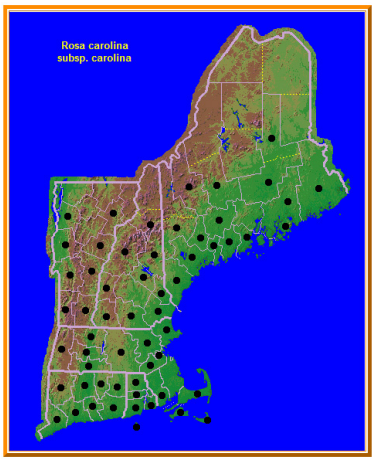
ROSA (Family: Rosaceae)

Rosa acicularis Lindley subsp. ***sayi*** (Schweinitz) W.H. Lewis - . 2n = (28), 42, (49), 56.
Railroads, shores, thickets, rocky slopes. [*R. acicularis* var. *bourgeauiana* Crépin]

ROSA ARKANSANA Porter - **Prairie Rose**. 2n = 28, (30).
Railroads. From farther west.



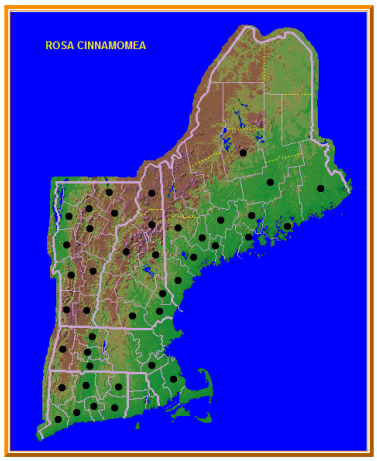


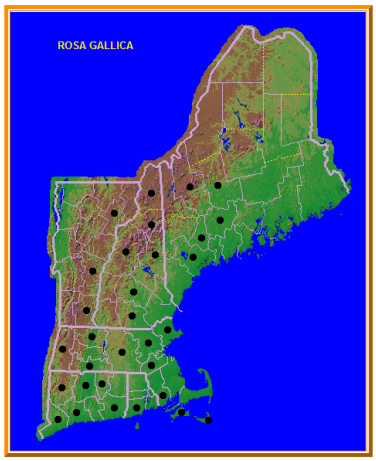


Rosa blanda Aiton - **Smooth Rose**. 2n = 14, (21), (28).
Shores, riverbanks, meadows, thickets, railroads. [*R. blanda* var. *glabra* Crépin; *R. johannensis* Fernald]

ROSA CANINA Linnaeus - **Dog Rose**. 2n = (28), 35, (42).
Roadsides, thickets, fields, dry banks.

Rosa carolina Linnaeus subsp. ***carolina*** - **Pasture Rose**. 2n = 28.
Dry pastures, thickets, thin woods, roadsides, other dry, sandy, rocky or open habitats. [*R. carolina* var. *grandiflora* (Baker) Rehder; *R. carolina* var. *villosa* (Best) Rehder; *R. humilis* Marshall]

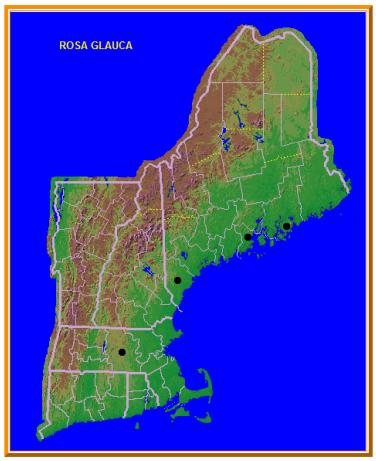


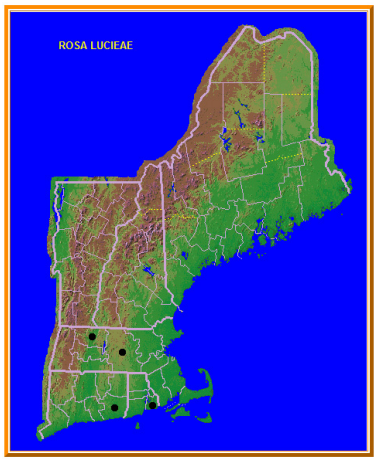


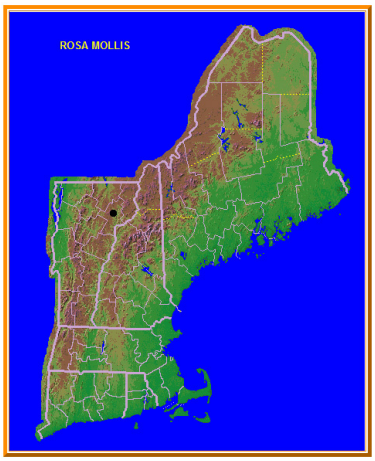
Rosa carolina Linnaeus subsp. ***subserrulata*** (Rydberg) W.H. Lewis - . 2n = 28.
Ledges.

ROSA CINNAMOMEA Linnaeus - **Cinnamon Rose**. 2n = 14.
Roadsides, fields, fencerows, clearings. From Eurasia. [*R. MAJALIS* misapplied]

ROSA GALLICA Linnaeus - **French Rose**. 2n = 28.
Roadside thickets, waste places. From Eurasia.



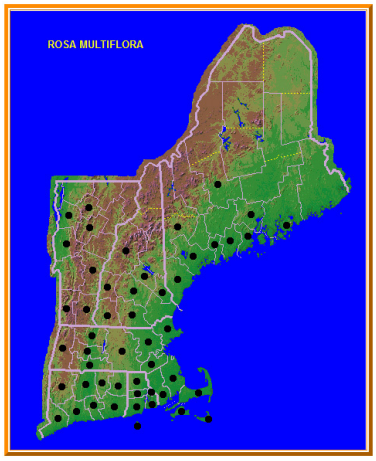


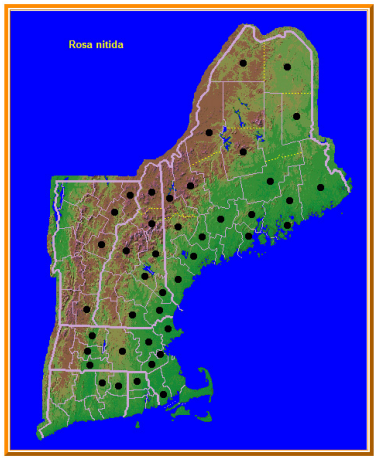


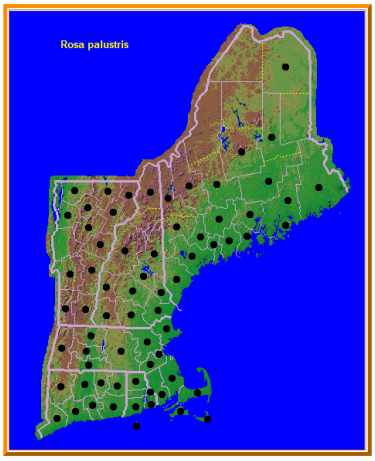
ROSA GLAUCA Pourret - . 2n = 28.
Roadsides, thickets. From Europe. [*R. FERRUGINEA* misapplied; *R. RUBRIFOLIA* Villars]

ROSA LUCIEAE Franchet & Rochebrune *ex* Crépin - **Memorial Rose**. 2n = 14.
Thickets, woodland margins. From eastern Asia. [*R. WICHURAIANA* Crépin]

ROSA MOLLIS Smith - . 2n = 28.
Roadsides. From Eurasia.



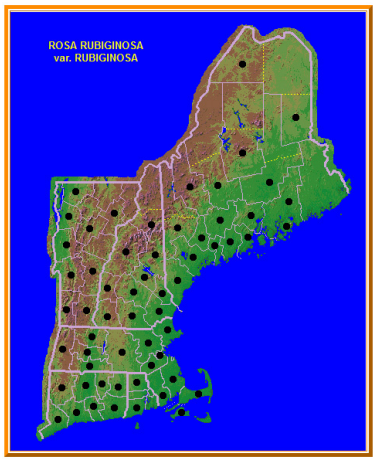


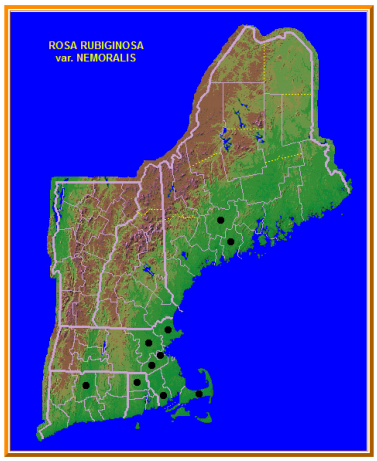


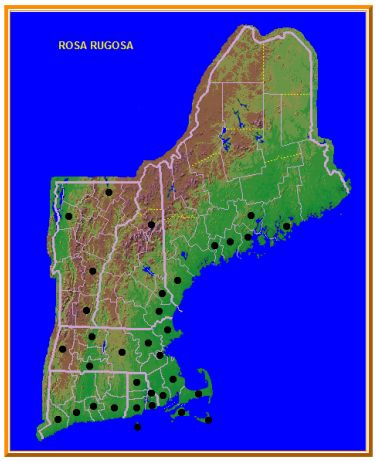
ROSA MULTIFLORA Thunberg - . 2n = 14, (21).
Roadsides, woodland margins, clearings, thickets, waste places. From eastern Asia.

Rosa nitida Willdenow - **Northeastern Rose**. 2n = 14, (28).
Swamps, bogs, pond shores, wet thickets, in acid soil.

Rosa palustris Marshall - **Swamp Rose**. 2n = 14. (28), (42).
Swamps, meadows, pastures, wet thickets, shores.



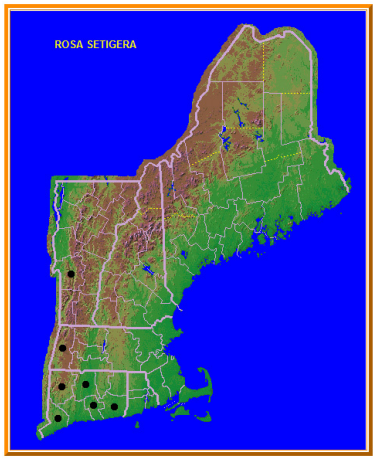


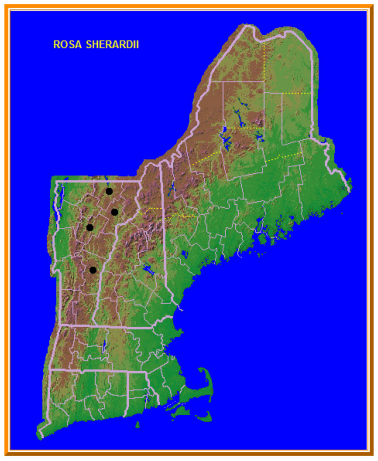


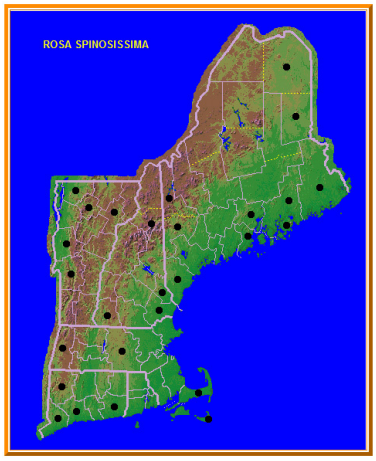
ROSA RUBIGINOSA Linnaeus var. ***RUBIGINOSA*** - **Sweetbrier**. 2n = 35.
Roadsides, fields, thickets, clearings. From Eurasia. [*R. EGLANTERIA* Linnaeus – ambiguous name]

ROSA RUBIGINOSA Linnaeus var. ***NEMORALIS*** (Léman) Thory - **Sweetbrier**. 2n = (28), 35, (42).
Roadsides, fields, thickets, clearings. From Eurasia, northern Africa. [*R. MICRANTHA* Borrer]

ROSA RUGOSA Thunberg - **Beach Rose**. 2n = 14, (21), (28).
Sandy, open soil, often near salt water, roadsides, dunes. From eastern Asia.



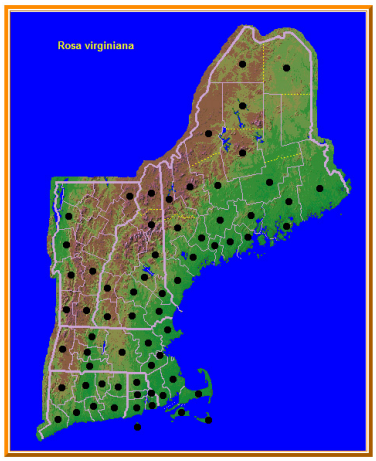


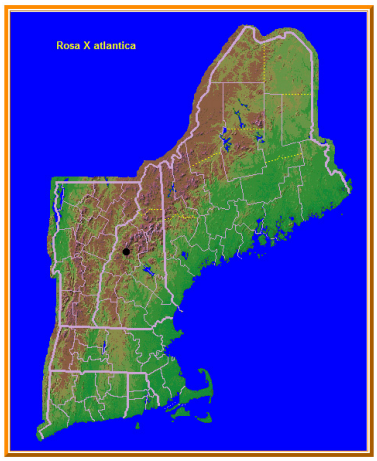


ROSA SETIGERA Michaux - **Climbing Rose**. 2n = 14.
Roadsides, fields, woods, hillsides. From farther west and south. [*R. SETIGERA* var. *TOMENTOSA* Torrey & A. Gray]

ROSA SHERARDII Davies - . 2n = (28), 35, (42).
Roadsides, pastures. From Europe.

ROSA SPINOSISSIMA Linnaeus - **Burnet Rose**. 2n = 28.
Roadsides, thickets, fields. From Eurasia. [*R. PIMPINELLIFOLIA* Linnaeus]



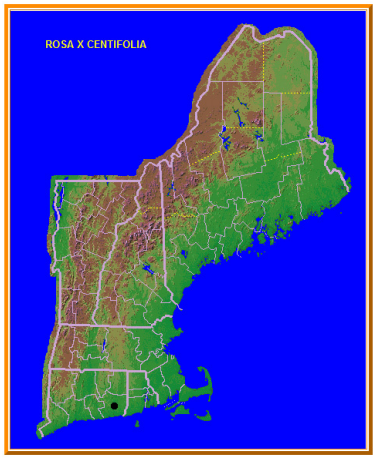


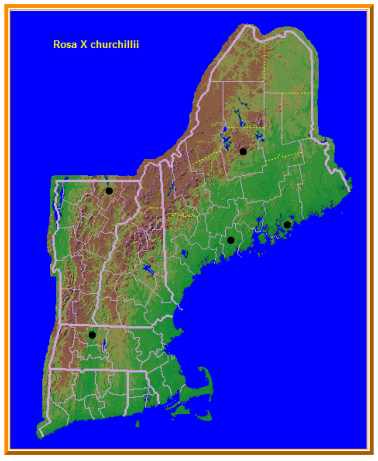
Rosa virginiana Miller - . 2n = 28.
Thickets, meadows, swamps, shores, clearings, roadsides. [*R. virginiana* var. *lamprophylla* Rehder; *R. lucida* Ehrhart]

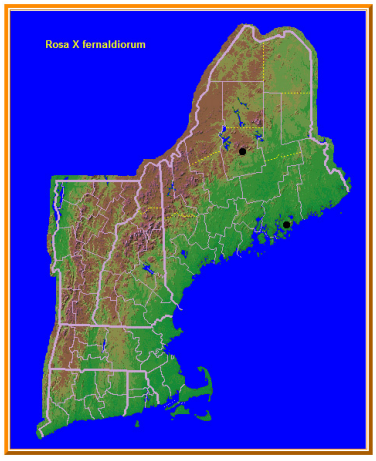
Rosa hybrids

Rosa X ***atlantica*** W.H. Lewis - .
[*R. carolina* Linnaeus X *R. palustris* Marshall]

Rosa carolina Linnaeus subsp. ***carolina*** X ***R. RUBIGINOSA*** Linnaeus - .



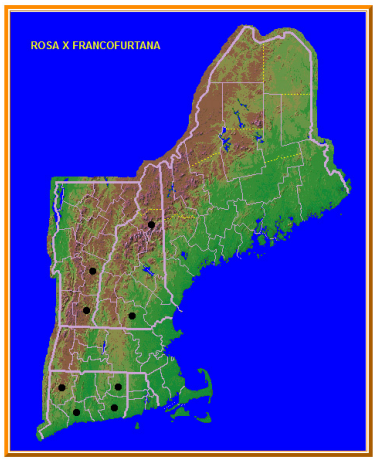


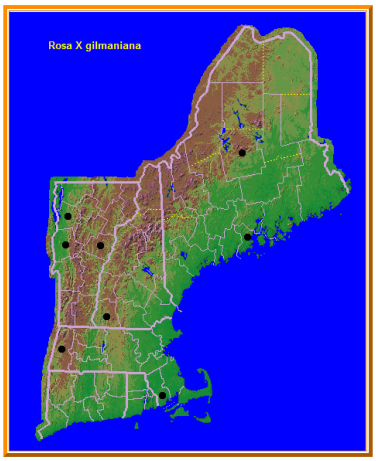


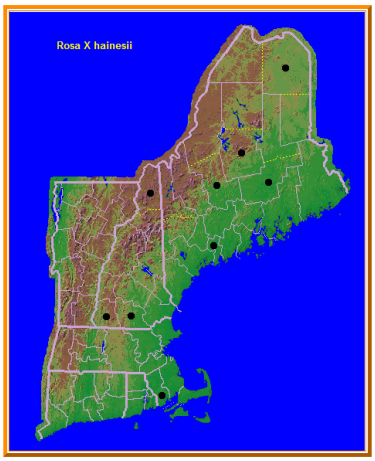
ROSA X ***CENTIFOLIA*** Linnaeus (*pro species*) - .
[*R. GALLICA* Linnaeus X ?]

Rosa X ***churchillii*** W.H. Lewis - .
[*R. blanda* Aiton X *R. nitida* Willdenow]

Rosa X ***fernaldiorum*** W.H. Lewis - .
[*R. carolina* Linnaeus X *R. nitida* Willdenow]



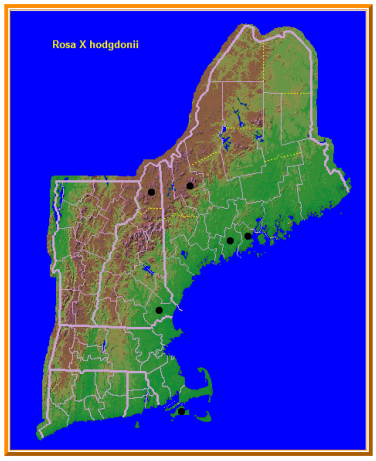


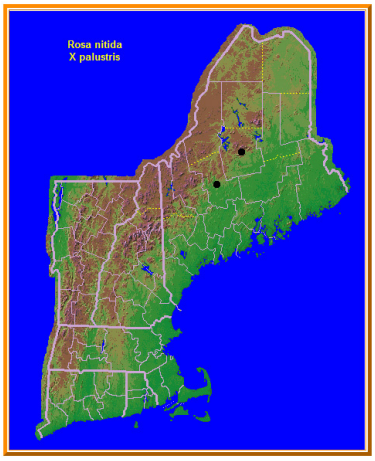


ROSA X ***FRANCOFURTANA*** Münchhausen (*pro species*) - .
[*R. CINNAMOMEA* Linnaeus X *R. GALLICA* Linnaeus]

Rosa X ***gilmaniana*** W.H. Lewis - .
[*R. blanda* Aiton X *R. carolina* Linnaeus]

Rosa X ***hainesii*** W.H. Lewis - .
[*R. blanda* Aiton X *R. virginiana* Miller]

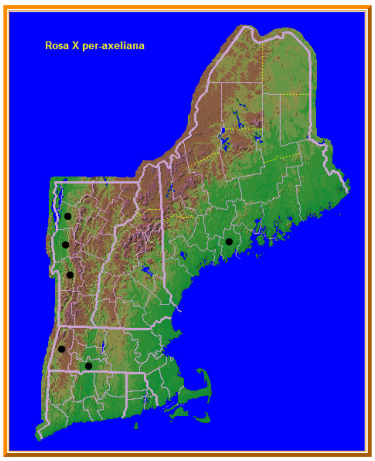




Rosa X ***hodgdonii*** W.H. Lewis - .
[*R. nitida* Linnaeus X *R. virginiana* Miller]

ROSA X ***MASSIANA*** W.H. Lewis - .
[*R. carolina* Linnaeus X *R. RUGOSA* Thunberg]

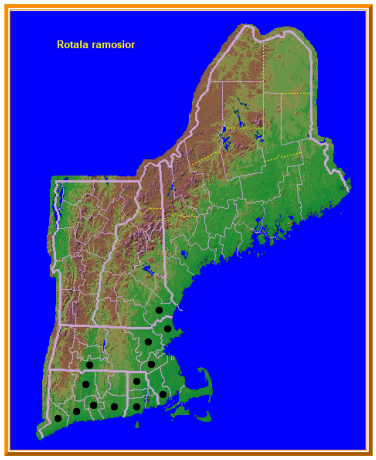
Rosa nitida Linnaeus X ***R. palustris*** Marshall - .

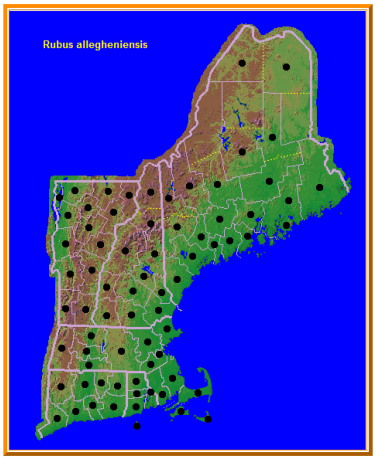


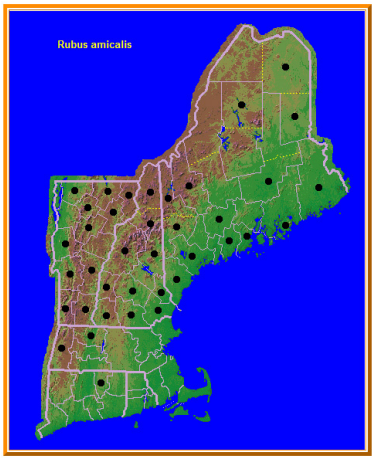
Rosa X ***novae-angliae*** W.H. Lewis - .
[*R. carolina* Linnaeus subsp. *carolina* X *R. virginiana* Miller]

Rosa palustris Marshall X ***R. virginiana*** Miller - .

Rosa X ***per-axeliana*** W.H. Lewis - .
[*R. acicularis* Lindley subsp. *sayi* (Schweinitz) W.H. Lewis X *R. aiton* Miller]







ROTALA (Family: Lythraceae)

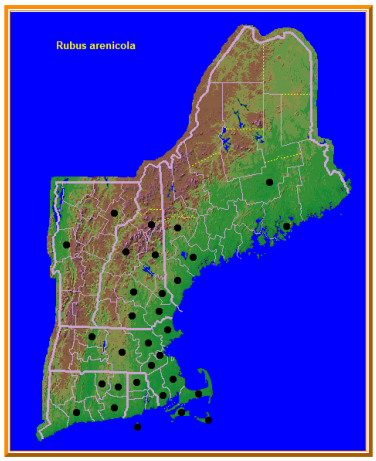
Rotala ramosior (Linnaeus) Koehne - **Tooth-cup**. 2n = 16, 32.
Sandy or muddy shores of ponds and streams.

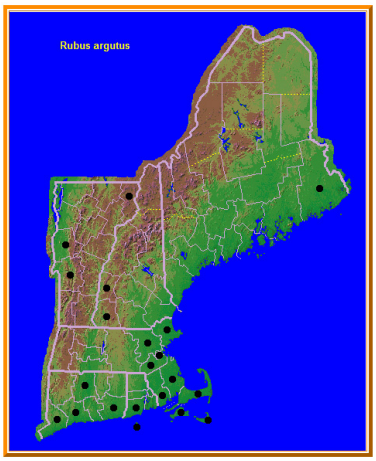
RUBUS (Family: Rosaceae)

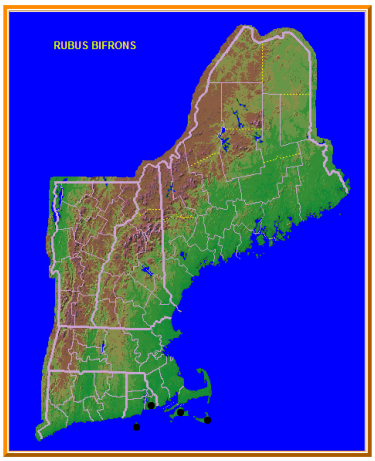
Due to the significant diversity of taxonomic treatments for this genus over the years, particularly for the large subgenus *Eubatus*, and the complicated reproductive mechanisms known to occur (hybridization, polyploidy, apomixis), the listing here largely follows the intensive New England study for subgenus *Eubatus* of Hodgdon and Steele (1966, 1970) . The work of H. Davis, A. Fuller and T. Davis (1967, 1968a, 1968b, 1969a, 1969b, 1970, 1982), H. Davis (1990), Gleason and Cronquist (1991), and the Flora of North America, vol. 9 treatment have been used to help place some names in synonymy.

Rubus allegheniensis Porter - **Common Highbush Blackberry**. 2n = 14, 21, 28.
Roadsides, fields, clearings, woodland margins, thickets. [*R. allegheniensis* var. *gravesii* (Fernald) Fernald; *R. allegheniensis* var. *plausus* L.H. Bailey; *R. allegheniensis* var. *populifolius* Fernald; *R. fernaldianus* L.H. Bailey; *R. pugnax* L.H. Bailey; *R. saltuensis* L.H. Bailey]

Rubus amicalis Blanchard - . 2n = ?
Fields, thickets, waste places, woods, bases of ledges, moist, sphagnous soil. [*R. amabilis* Blanchard not Focke – illegitimate name; *R. elegantulus* Blanchard not Forster – illegitimate name]



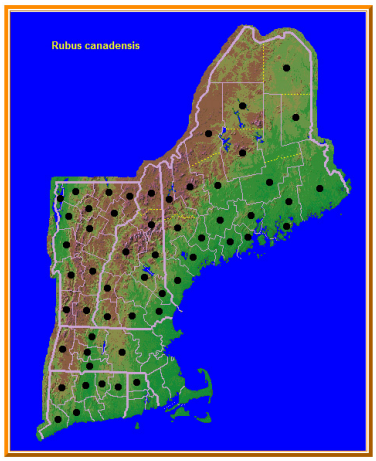


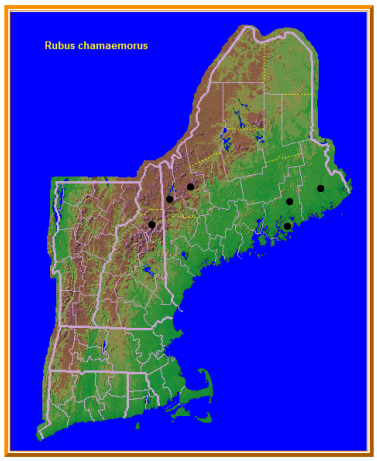


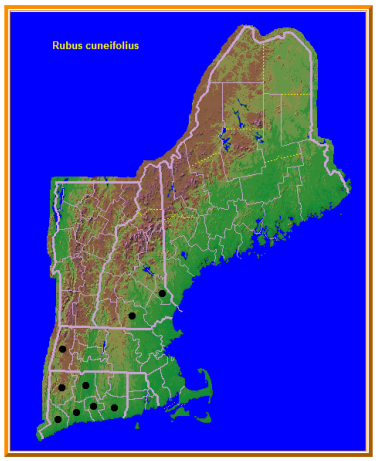
Rubus arenicola Blanchard - **Sand Dewberry**. 2n = ?
Dry fields, roadsides, open plains, ledges, especially in dry, open, sandy soil. [*R. brainerdii* Rydberg; *R. curtipes* L.H. Bailey; *R. janssonii* L.H. Bailey; *R. obsessus* L.H. Bailey; *R. pauper* L.H. Bailey; *R. perpauper* L.H. Bailey; *R. prosper* L.H. Bailey]

Rubus argutus Link - **Southern Blackberry**. 2n = 14, 21.
Thickets, woodland and bog margins. [*R. blakei* L.H. Bailey; *R. jugosus* L.H. Bailey; *R. paludivagus* Fernald]

RUBUS BIFRONS Vest - **Armenian Blackberry**. 2n = 28.
Roadsides, waste places. From Eurasia. [*R. ARMENIACUS* Focke; *R. DISCOLOR* misapplied]



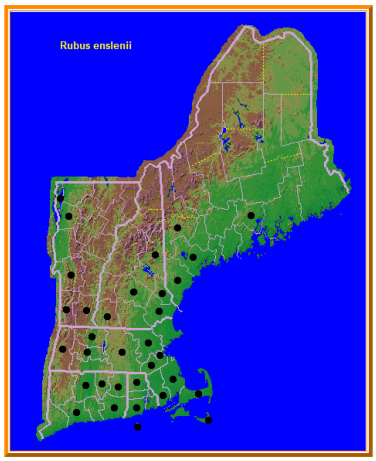


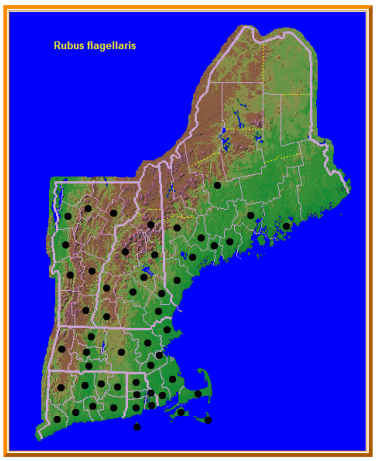


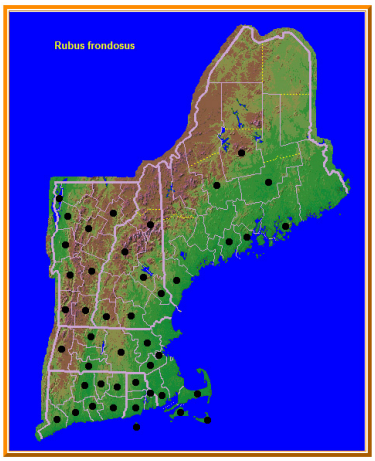
Rubus canadensis Linnaeus - **Smooth Blackberry**. 2n = (14), 21, (42).
Moist thickets, clearings in northern hardwood forests, woodland margins, cliff bases.

Rubus chamaemorus Linnaeus - **Cloudberry**. 2n = 56.
Sphagnum bogs, heaths, often at high elevation.

Rubus cuneifolius Pursh - **Sand Blackberry**. 2n = 14, 21, 28.
Sandy or rocky, dry open soil on coastal plain. [*R. cuneifolius* var. *spiniceps* L.H. Bailey]



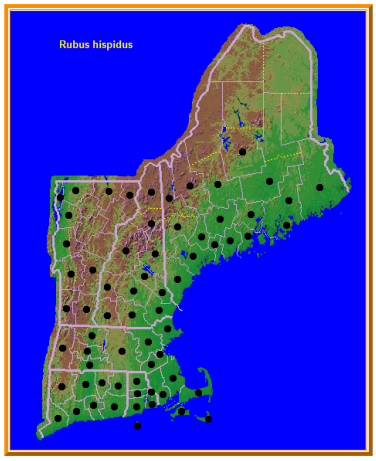


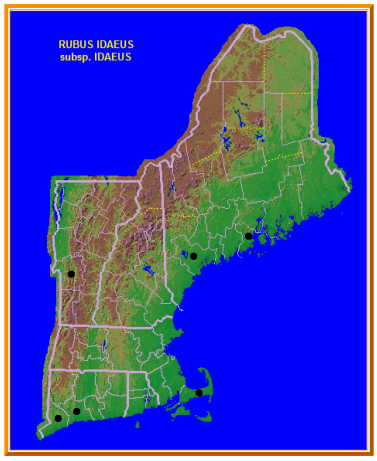


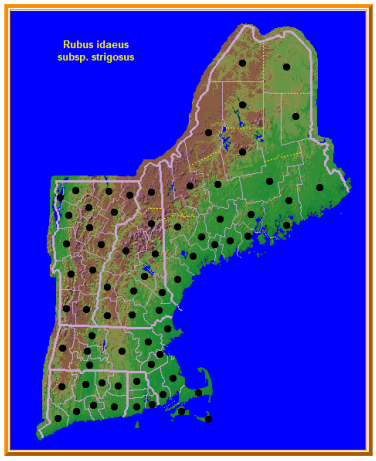
Rubus enslenii Trattinnick - . 2n = ?
Dry, open, mostly oak-hickory woods, ledges, thickets. [*R. baileyanus* Britton]

Rubus flagellaris Willdenow - **Common Dewberry**. 2n = 28.
Dry fields, sandy areas, openings, ledges, thicket borders, roadsides. [*R. eflagellaris* L.H. Bailey; *R. felix* L.H. Bailey; ?*R. ithacanus* L.H. Bailey; *R. maniseesensis* L.H. Bailey; *R. particeps* L.H. Bailey; *R. villosus* misapplied]

Rubus frondosus Bigelow - **Yankee Blackberry**. 2n = ?
Thickets, fields, roadsides, woodland borders. [*R. bellobatus* L.H. Bailey; *R. insulanus* L.H. Bailey; *R. multispinus* Blanchard; *R. recurvans* Blanchard; *R. rossbergianus* Blanchard]



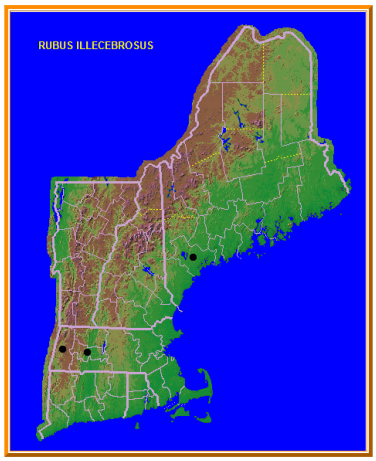


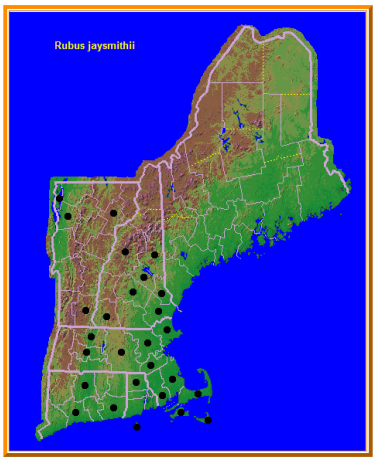


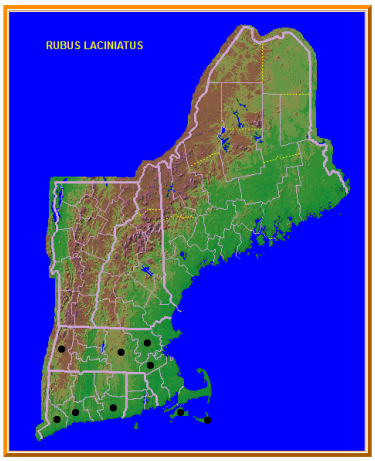
Rubus hispidus Linnaeus - **Swamp Dewberry**. 2n = 14.
Fields, open woods (specially pine), gravel pits, ditches, swamps, sphagnous soil, *Sphagnum* bogs, meadows. [*R. hispidus* var. *obovalis* (Michaux) Fernald; *R. cubitans* Blanchard; ?*R. novanglicus* L.H. Bailey; *R. pervarius* (L.H. Bailey) L.H. Bailey; *R. spiculosus* Fernald]

RUBUS IDAEUS Linnaeus subsp. ***IDAEUS*** - **European Red Raspberry**. 2n = 14, (21), (28), (42).
Roadsides, fields, thickets. From Eurasia.

Rubus idaeus Linnaeus subsp. ***strigosus*** (Michaux) Focke - **Wild Red Raspberry**. 2n = 14, 21.
Clearings, fields, roadsides, dry, open woods, damp thickets, woodland borders. [*R. idaeus* var. *canadensis* Richardson *ex* Fernald; *R. idaeus* var. *egglestonii* (Blanchard) Fernald; *R. idaeus* var. *heterolasius* Fernald]



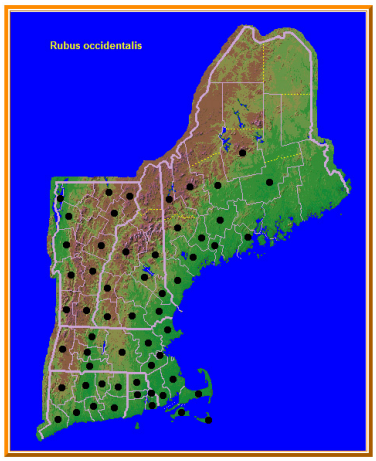


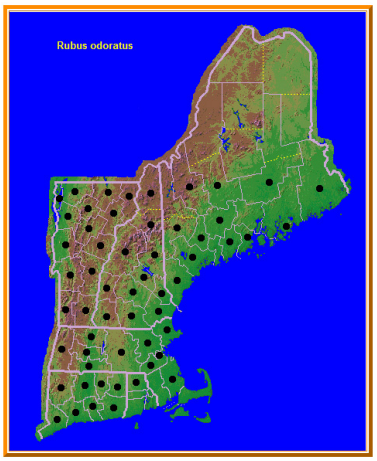


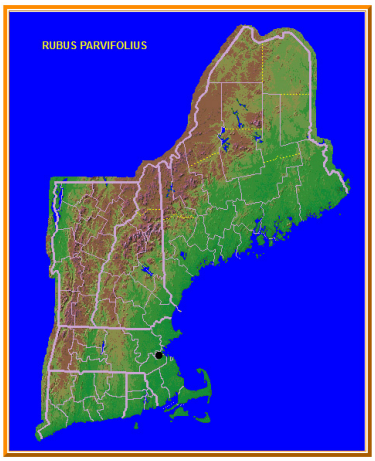
RUBUS ILLECEBROSUS Focke - **Strawberry Raspberry**. 2n = 14.
Woods, disturbed sites. From Japan.

Rubus jaysmithii L.H. Bailey - . 2n = ?
Dry fields, sandy areas, openings, ledges, thicket borders, roadsides. [*R. multifer* L.H. Bailey; *R. scambens* L.H. Bailey; *R. tetricus* L.H. Bailey]

RUBUS LACINIATUS Willdenow - **Cut-leaved Blackberry**. 2n = 28.
Roadsides, sandy soil near beaches, railroads, fields, waste places. Probably from Europe.



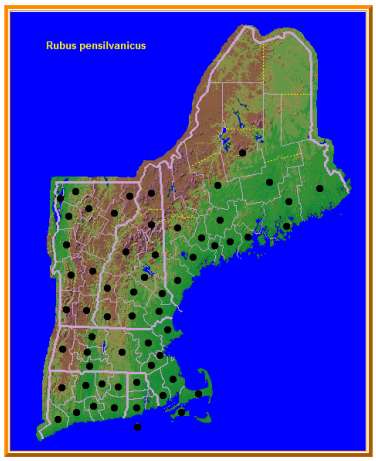


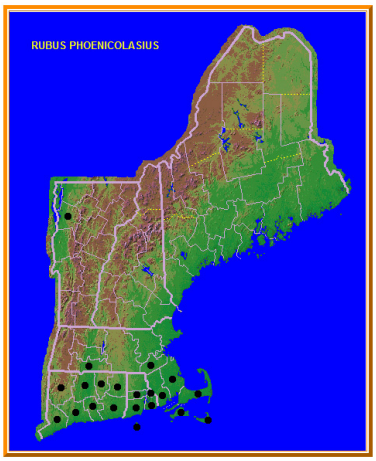


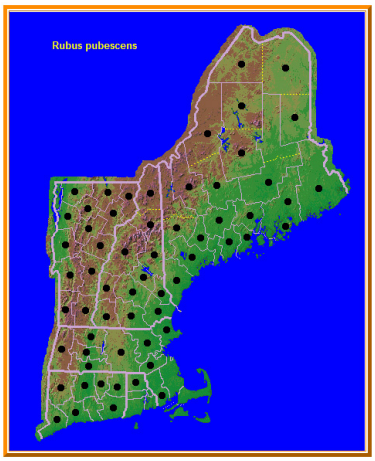
Rubus occidentalis Linnaeus - **Black Raspberry**. 2n = 14.
Clearings, thickets, woodland borders, fields.

Rubus odoratus Linnaeus - **Purple-flowering Raspberry**. 2n = 14.
Woodland borders, open woods, thickets, roadsides, rocky slopes.

RUBUS PARVIFOLIUS Linnaeus - **Japanese Raspberry**. 2n = 14, 28, (42).
Waste places. From eastern Asia, Australia. [*R. TRIPHYLLUS* Thunberg]



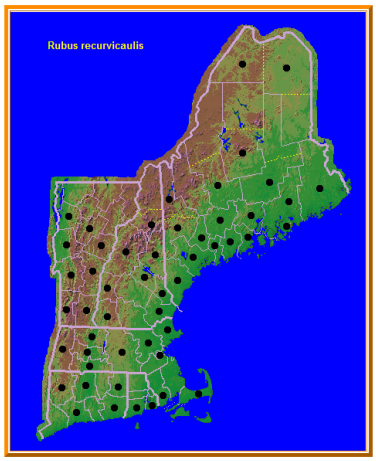


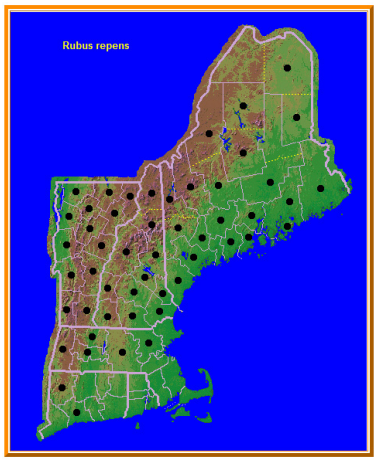


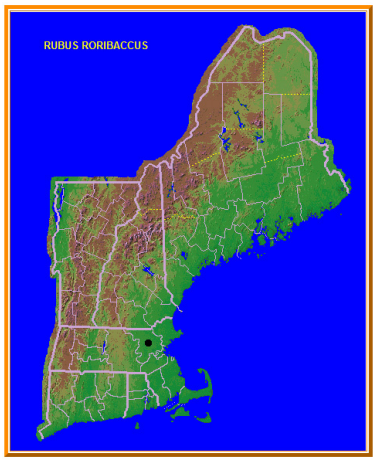
Rubus pensilvanicus Poiret - . 2n = 21, 28.
Thickets, roadsides, swamps, woods, woodland borders, clearings. [*R. amnicola* Blanchard; *R. andrewsianus* Blanchard; *R. avipes* L.H. Bailey; *R. barbarus* L.H. Bailey; *R. conanicutensis* L.H. Bailey; *R. facetus* L.H. Bailey; *R. gnarus* L.H. Bailey; *R. insons* L.H. Bailey; ?*R. latens* L.H. Bailey; *R. orarius* Blanchard; *R. ostryifolius* Rydberg not Gandoger – illegitimate name; *R. pergratus* Blanchard; *R. philadelphicus* Blanchard]

RUBUS PHOENICOLASIUS Maximowicz - **Wineberry**. 2n = 14.
Roadsides, thickets, open woods, disturbed, open areas. From eastern Asia.

Rubus pubescens Rafinesque - **Dwarf Raspberry**. 2n = 14.
Damp woods and slopes, swamps, low thickets, rocky shores, sandy banks. [*R. pubescens* var. *pilosifolius* A.F. Hill]



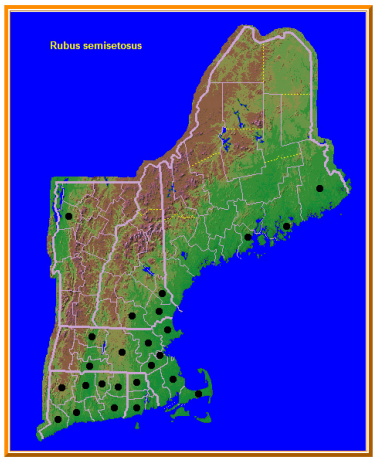


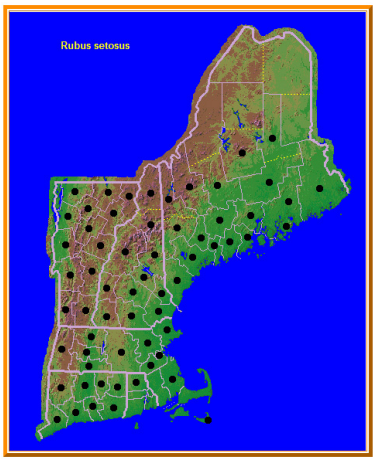


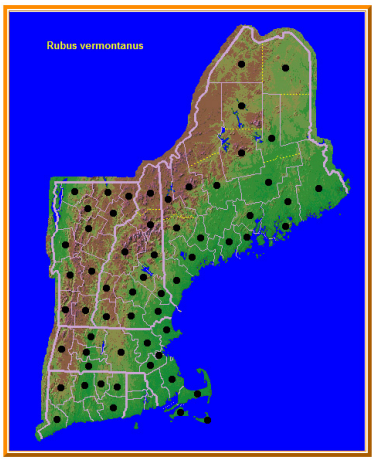
Rubus recurvicaulis Blanchard - **Arching Dewberry**. 2n = 42.
Fields, railroads, roadsides, other dry or gravelly, open soil. [*R. aptatus* L.H. Bailey; *R. arundelanus* Blanchard var. *arundelanus*; *R. arundelanus* var. *jeckylanus* (Blanchard) L.H. Bailey; *R. plicatifolius* Blanchard; *R. positivus* L.H. Bailey; *R. usus* L.H. Bailey]

Rubus repens (Linnaeus) Kuntze - **Dewdrop**. 2n = 14.
Rich, moist woods, swamps. [*R. dalibarda* Linnaeus – illegitimate name; *Dalibarda repens* Linnaeus]

RUBUS RORIBACCUS (L.H. Bailey) Rydberg - **Lucretia Dewberry**. 2n = ?
Dry woods. From farther west.



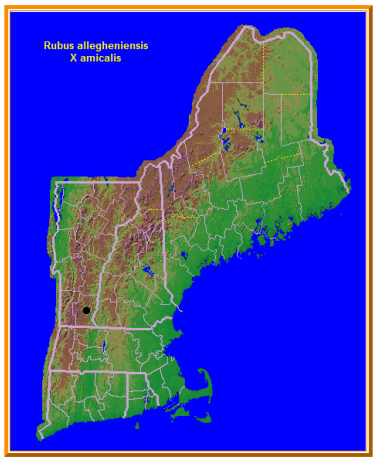


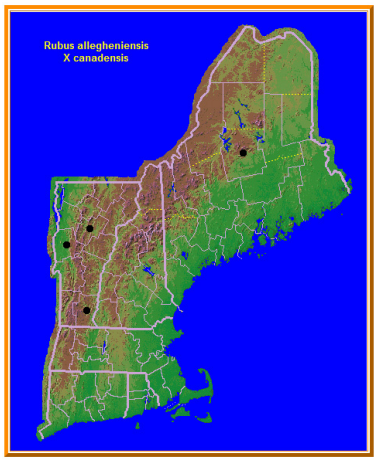


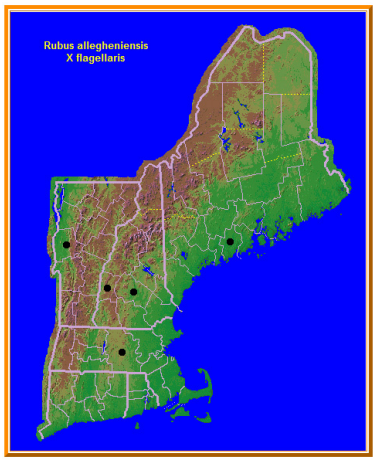
Rubus semisetosus Blanchard - **Swamp Blackberry**. 2n = ?
Swales, swampy thickets, dryish meadows. [*R. ascendens* Blanchard; *R. bigelovianus* L.H. Bailey; *R. hispidoides* L.H. Bailey; *R. ortivus* (L.H. Bailey) L.H. Bailey; *R. perinvisus* L.H. Bailey]

Rubus setosus Bigelow - **Bristly Blackberry**. 2n = ?
Alluvial plains, grassy swamps, swales, damp thickets, waste places. [*R. dissimilis* L.H. Bailey; *R. groutianus* Blanchard; *R. lawrencei* L.H. Bailey; *R. notatus* L.H. Bailey]

Rubus vermontanus Blanchard - . 2n = ?
Clearings, sterile fields, thickets, cliff bases. [*R. abbrevians* Blanchard; *R. junceus* Blanchard; *R. miscix* L.H. Bailey; *R. navus* L.H. Bailey; *R. regionalis* (L.H. Bailey) L.H. Bailey; *R. tardatus* Blanchard]





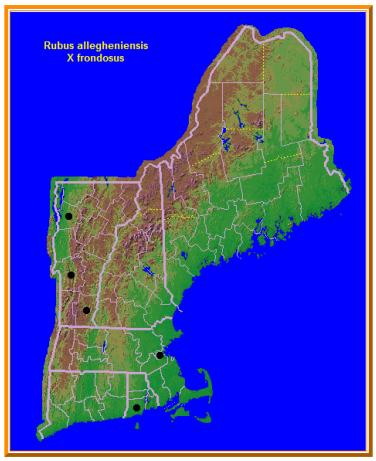


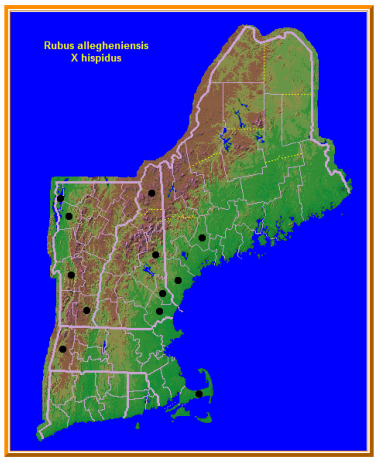
Rubus hybrids

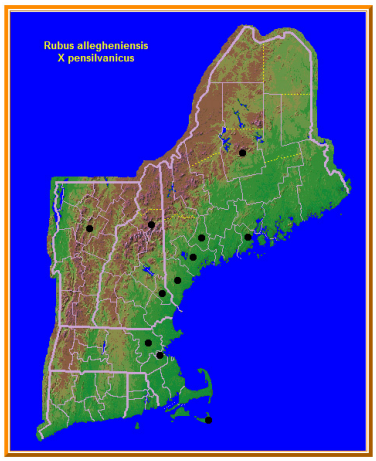
Rubus allegheniensis Porter X ***R. amicalis*** Blanchard - .

Rubus allegheniensis Porter X ***R. canadensis*** Linnaeus - .

Rubus allegheniensis Porter X ***R. flagellaris*** Willdenow - .
[*R. fraternalis* L.H. Bailey]



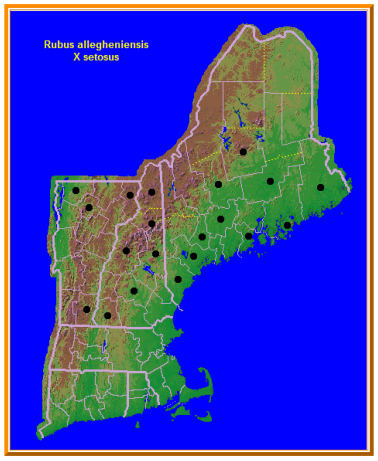


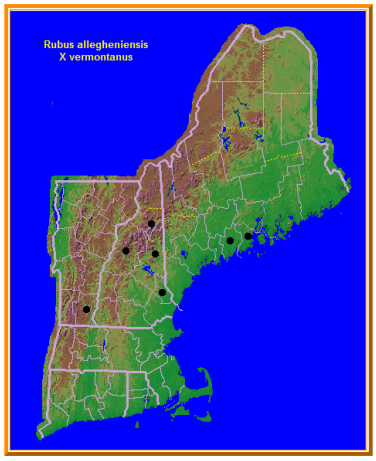


Rubus allegheniensis Porter X ***R. frondosus*** Bigelow - .

Rubus allegheniensis Porter X ***R. hispidus*** Linnaeus - .
[*R. biformispinus* Blanchard; *R. invisus* (L.H. Bailey) Britton; *R. jactus* L.H. Bailey; *R. laevior* (L.H. Bailey) Fernald; *R. permixtus* Blanchard; *R. sanfordii* L.H. Bailey]

Rubus allegheniensis Porter X ***R. pensilvanicus*** Poiret - .
[*R. alumnus* L.H. Bailey; *R. floricomus* Blanchard; *R. paulus* L.H. Bailey; *R. rosa* L.H. Bailey]





Rubus allegheniensis Porter X ***R. recurvicaulis*** Blanchard - .

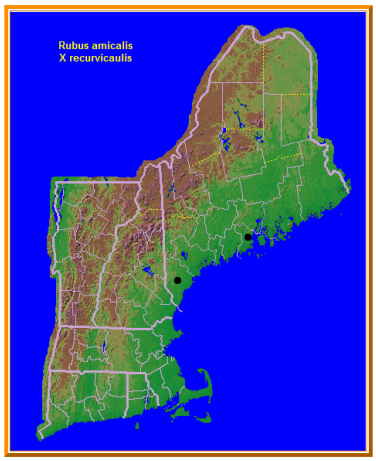
Rubus allegheniensis Porter X ***R. setosus*** Bigelow - .
[*R. aculiferus* Fernald; *R. frondisentis* Blanchard; *R. glandicaulis* Blanchard; *R. montpelierensis* Blanchard *ex* L.H. Bailey; *R. sceleratus* Brainerd *ex* Fernald]

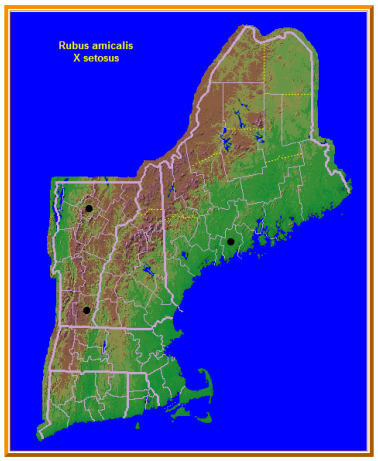
Rubus allegheniensis Porter X ***R. vermontanus*** Blanchard - .
[*R. flavinanus* Blanchard; *R. ravus* L.H. Bailey]

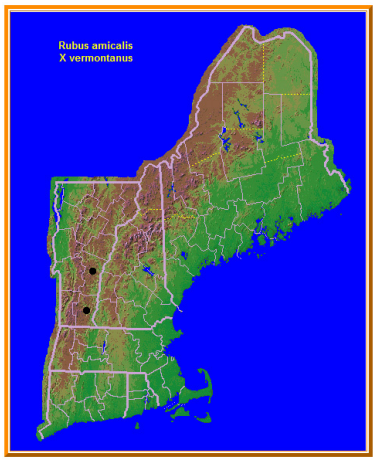
Rubus amicalis Blanchard X ***R. canadensis*** Linnaeus - .

Rubus amicalis Blanchard X ***R. frondosus*** Bigelow - .

Rubus amicalis Blanchard X ***R. jaysmithii*** L.H. Bailey - .



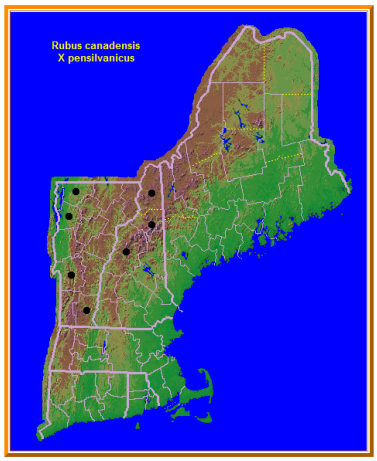


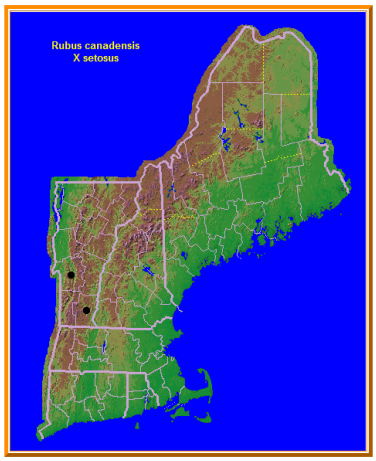


Rubus amicalis Blanchard X ***R. recurvicaulis*** Blanchard - .

Rubus amicalis Blanchard X ***R. setosus*** Bigelow - .

Rubus amicalis Blanchard X ***R. vermontanus*** Blanchard - .

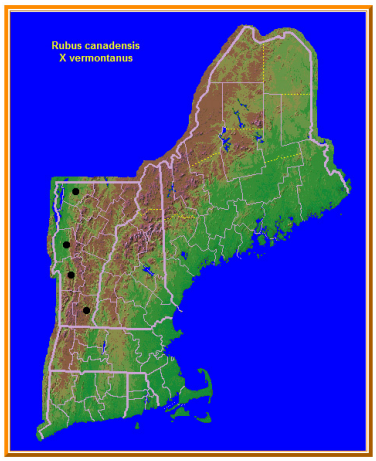


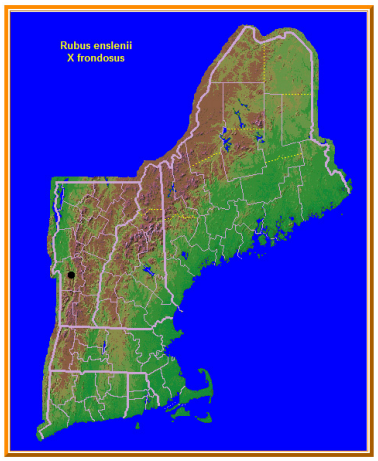


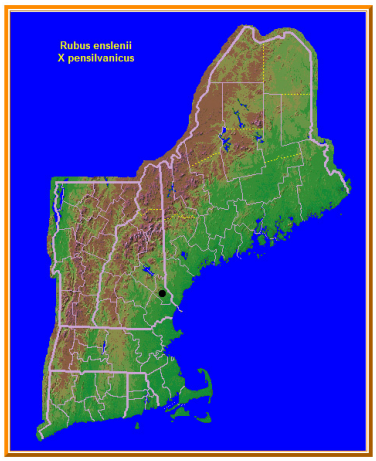
Rubus canadensis Linnaeus X ***R. frondosus*** Bigelow - .

Rubus canadensis Linnaeus X ***R. pensilvanicus*** Poiret - .

Rubus canadensis Linnaeus X ***R. setosus*** Bigelow - .



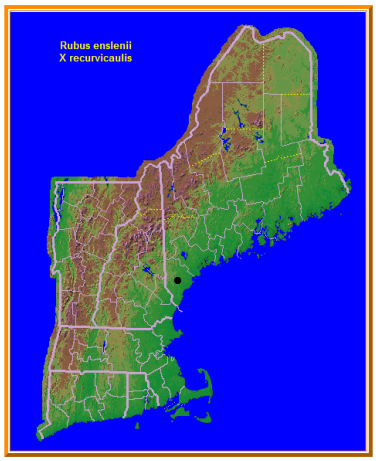


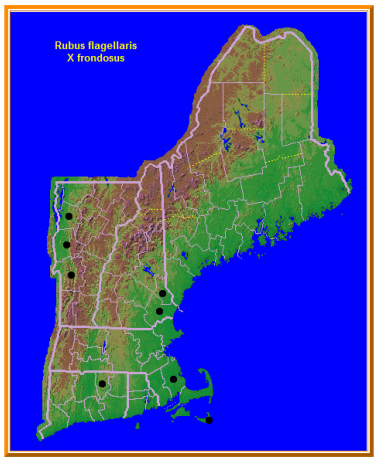


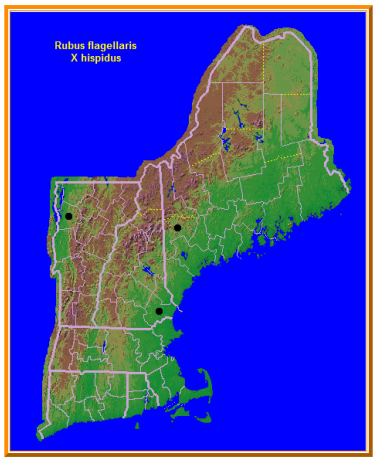
Rubus canadensis Linnaeus X ***R. vermontanus*** Blanchard - .

Rubus enslenii Trattinnick X ***R. frondosus*** Bigelow - .

Rubus enslenii Trattinnick X ***R. pensilvanicus*** Poiret - .







Rubus enslenii Trattinnick X ***R. recurvicaulis*** Blanchard - .

Rubus flagellaris Willdenow X ***R. frondosus*** Bigelow - .

Rubus flagellaris Willdenow X ***R. hispidus*** Linnaeus - .
[*R. mainensis* L.H. Bailey]

Rubus flagellaris Willdenow X ***R. recurvicaulis*** Blanchard - .

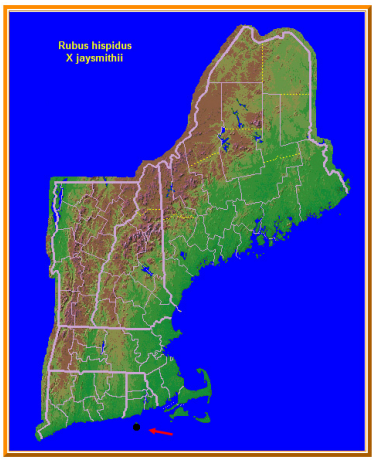
Rubus flagellaris Willdenow X ***R. setosus*** Bigelow - .

Rubus frondosus Bigelow X ***R. hispidus*** Linnaeus - .

Rubus frondosus Bigelow X ***R. jaysmithii*** L.H. Bailey - .

Rubus frondosus Bigelow X ***R. recurvicaulis*** Blanchard - .

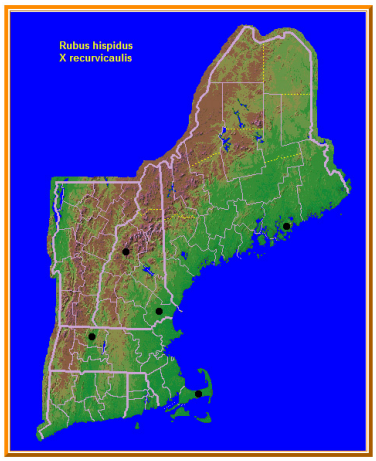
Rubus frondosus Bigelow X ***R. semisetosus*** Blanchard - .

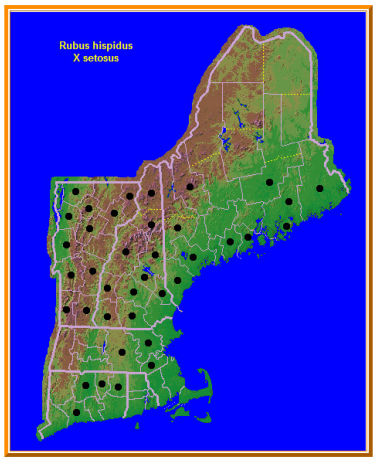


Rubus frondosus Bigelow X ***R. setosus*** Bigelow - .

Rubus frondosus Bigelow X ***R. vermontanus*** Blanchard - .

Rubus hispidus Linnaeus X ***R. jaysmithii*** L.H. Bailey - .

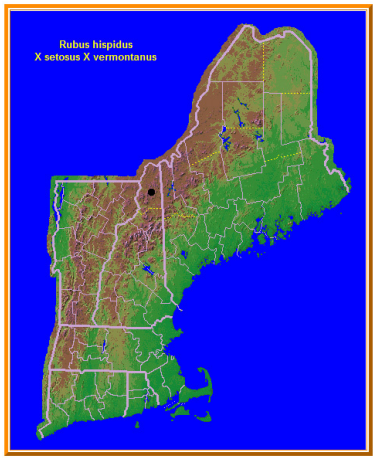


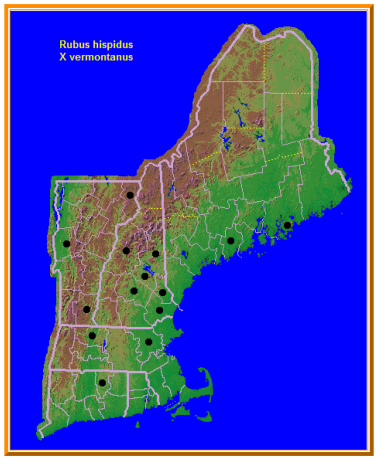


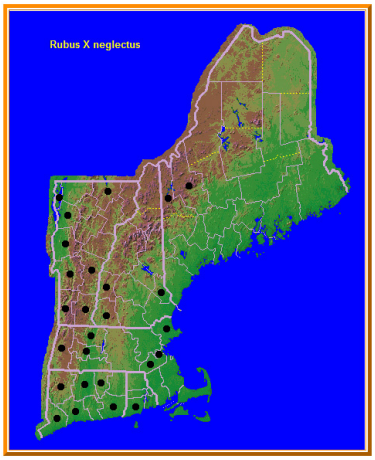
Rubus hispidus Linnaeus X **R. recurvicaulis** Blanchard - .

Rubus hispidus Linnaeus X **R. semisetosus** Blanchard - .

Rubus hispidus Linnaeus X **R. setosus** Bigelow - .
[*R. adjacens* Fernald; *R. alter* L.H. Bailey; *R. blanchardianus* (L.H. Bailey) L.H. Bailey; *R. harmonicus* L.H. Bailey; *R. jacens* Blanchard; *R. pudens* L.H. Bailey; *R. segnis* L.H. Bailey; *R. tholiformis* Fernald; *R. trifrons* Blanchard; *R. vigoratus* L.H. Bailey]



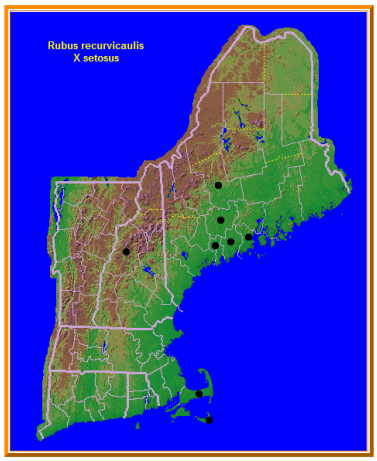


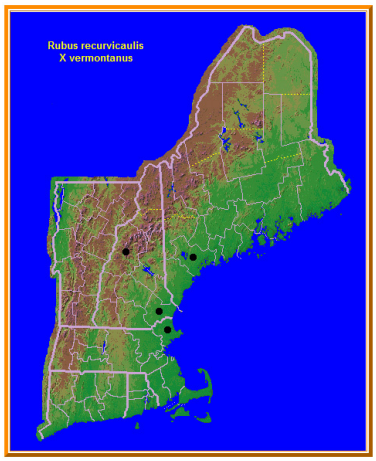


Rubus hispidus Linnaeus X ***R. setosus*** Bigelow X ***R. vermontanus*** Blanchard - .

Rubus hispidus Linnaeus X ***R. vermontanus*** Blanchard - .

Rubus X ***neglectus*** Peck (*pro species*) - .
[*R. idaeus* Linnaeus subsp. *strigosus* (Michaux) Focke X *R. occidentalis* Linnaeus]

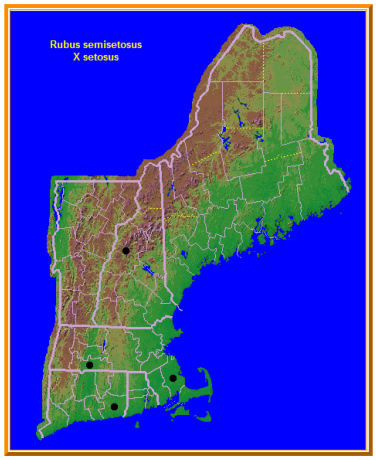


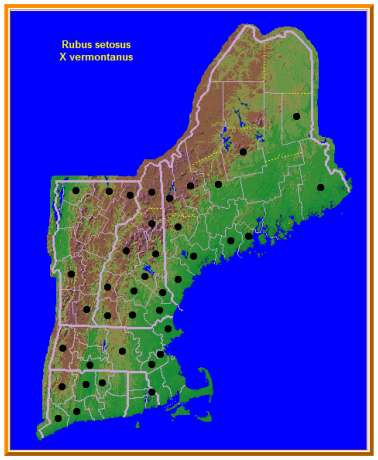


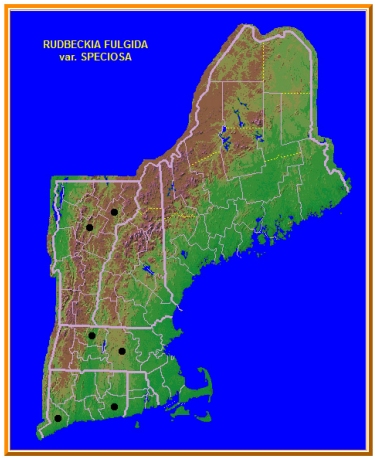
Rubus pensilvanicus Poiret X ***R. recurvicaulis*** Blanchard - .

Rubus recurvicaulis Blanchard X ***R. setosus*** Bigelow - .
[*R. arcuans* Fernald & H. St. John; *R. bicknellii* L.H. Bailey; *R. multiformis* Blanchard; *R. provincialis* L.H. Bailey]

Rubus recurvicaulis Blanchard X ***R. vermontanus*** Blanchard - .
[*R. severus* Brainerd *ex* Fernald]





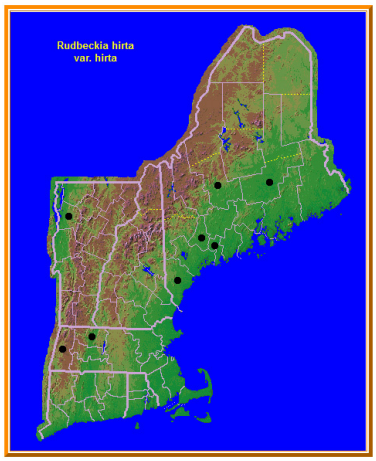


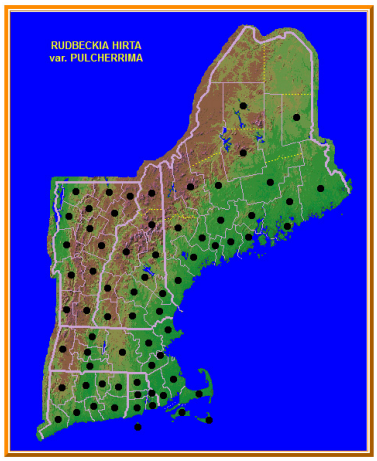
Rubus semisetosus Blanchard X ***R. setosus*** Bigelow - .

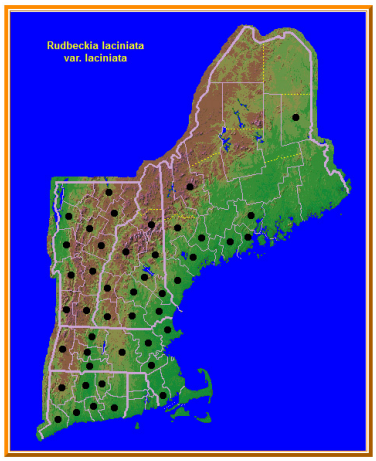
Rubus setosus Bigelow X ***R. vermontanus*** Blanchard - .
[?*R. gulosus* L.H. Bailey; *R. parlinii* L.H. Bailey; *R. univocus* L.H. Bailey]

RUDBECKIA (Family: Asteraceae)

RUDBECKIA FULGIDA Aiton var. ***SPECIOSA*** (Wenderoth) Perdue - . 2n = 76.
Open swamp, roadsides in moist soil. From farther west and south. [*R. SPECIOSA* Wenderoth]



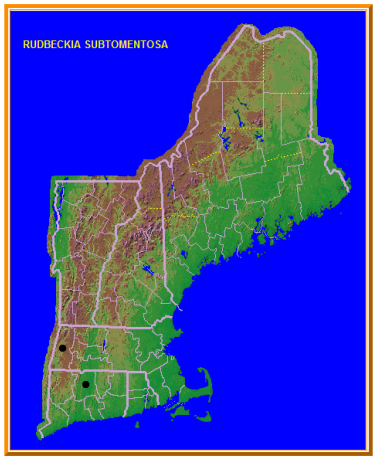


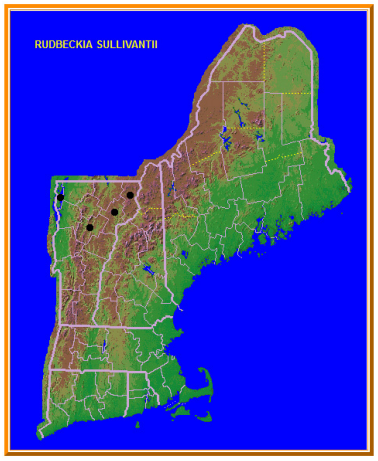


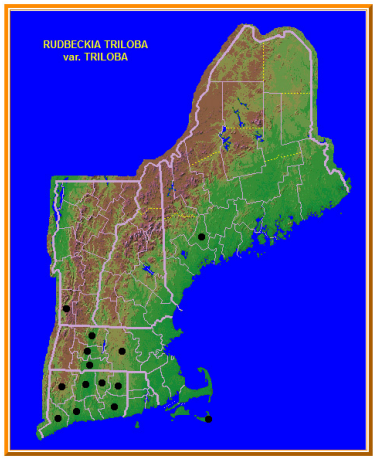
Rudbeckia hirta Linnaeus var. ***hirta*** - . 2n = 38.
Open woods, fields, roadsides.

RUDBECKIA HIRTA Linnaeus var. ***PULCHERRIMA*** Farwell - **Black-eyed Susan**. 2n = 38.
Fields, meadows, clearings, roadsides. From farther west. [*R. BICOLOR* Nuttall; *R. SEROTINA* (Nuttall) Sweet var. *SEROTINA*; *R. SEROTINA* var. *LANCEOLATA* (Bischoff) Fernald & B.G. Schubert; *R. SEROTINA* var. *SERICEA* (T.V. Moore) Fernald & B.G. Schubert]

Rudbeckia laciniata Linnaeus var. ***laciniata*** - . 2n = (36), 38, (48), (54), (72), 76, (102).
Swampy thickets, rich, low ground, stream banks, meadows, roadsides. [*R. laciniata* var. *hortensia* L.H. Bailey]



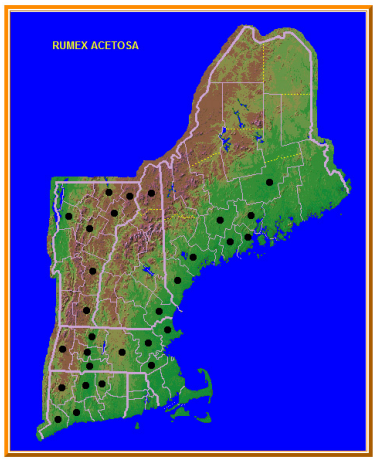


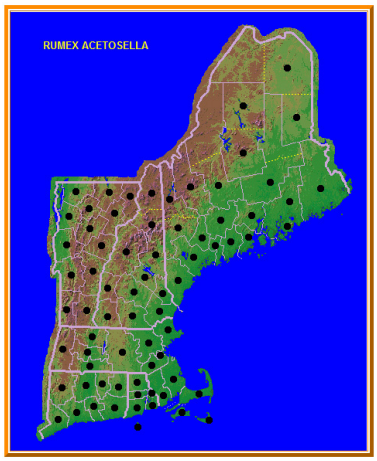


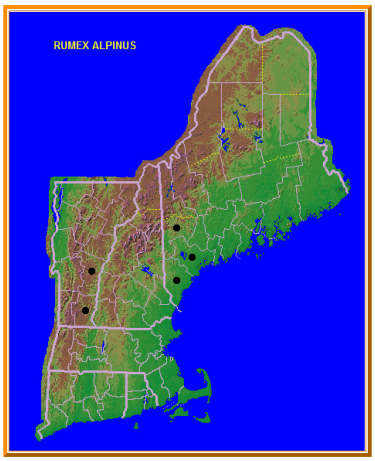
RUDBECKIA SUBTOMENTOSA Pursh - **Sweet Coneflower**. 2n = 38.
Roadsides. From farther west and south.

RUDBECKIA SULLIVANTII C.L. Boynton & Beadle - . 2n = 76.
Waste places, roadsides. From farther west.

RUDBECKIA TRILOBA Linnaeus var. ***TRILOBA*** - **Brown-eyed Susan**. 2n = 38, 57.
Field, waste places, roadsides, woods, meadows, stream banks. From farther south and west.





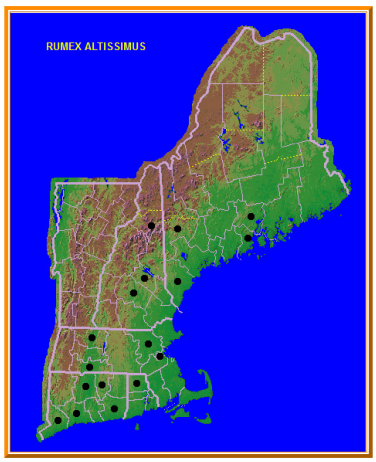


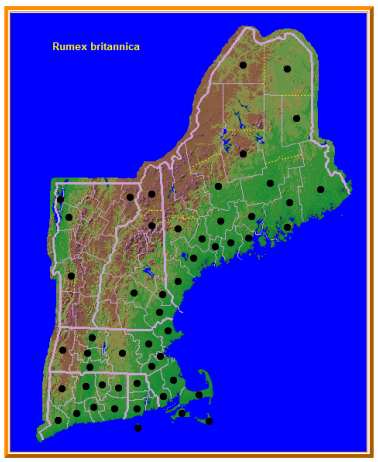
RUMEX (Family: Polygonaceae)

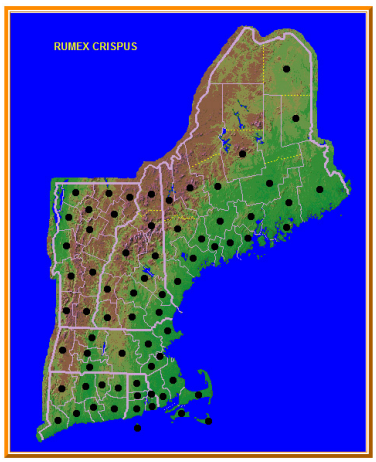
RUMEX ACETOSA Linnaeus - **Garden Sorrel**. 2n = 14 (pistillate), 15 (staminate).
Fields, roadsides, waste places, fallow ground. From Eurasia, northwestern Africa.

RUMEX ACETOSELLA Linnaeus - **Sheep Sorrel**. 2n = 14, (15), (21), 28, (32), (35), (40), 42, (56).
Roadsides, fields, waste places, meadows and cemeteries. From Eurasia. [*R. ACETOSELLA* var. *PYRENAICUS* (Pourret *ex* Lapeyrouse) Timbal-Lagrave]

RUMEX ALPINUS Linnaeus - **Monk's-rhubarb**. 2n = 20.
Roadsides, waste places, fields, meadows. From Eurasia.



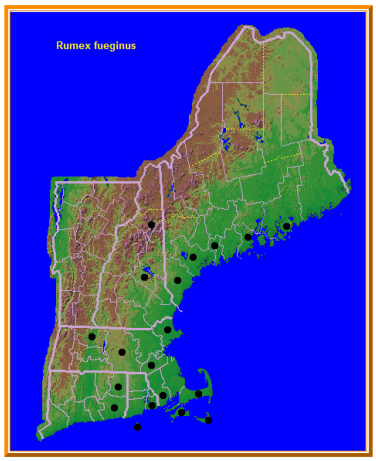


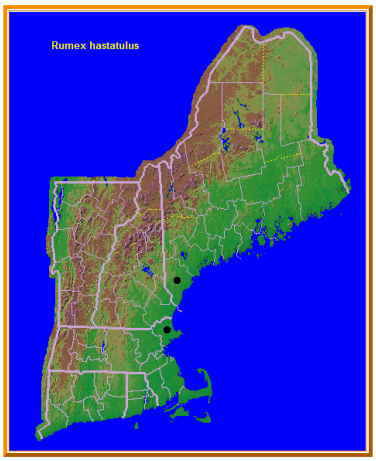


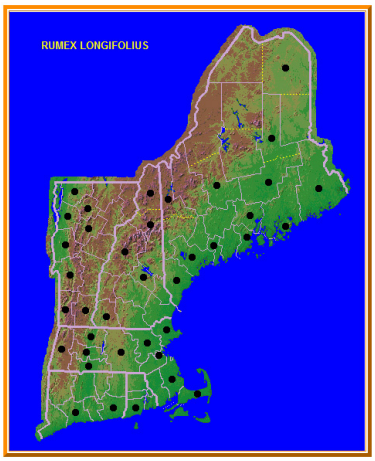
RUMEX ALTISSIMUS Alph. Wood - **Pale Dock**. 2n = 20.
Waste places. From farther west.

Rumex britannica Linnaeus - **Water Dock**. 2n = 20, 160.
Swamps, ditches, wet meadows, shores. [*R. orbiculatus* A. Gray]

RUMEX CRISPUS Linnaeus - **Yellow Dock**. 2n = 60.
Waste places, fields. From Eurasia.



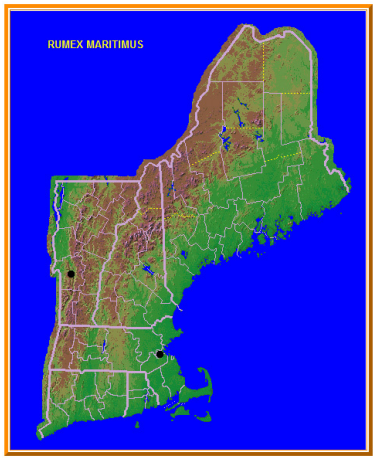


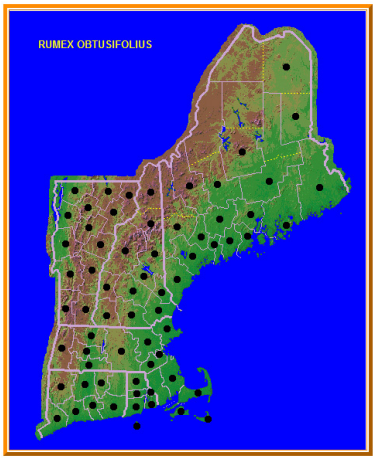


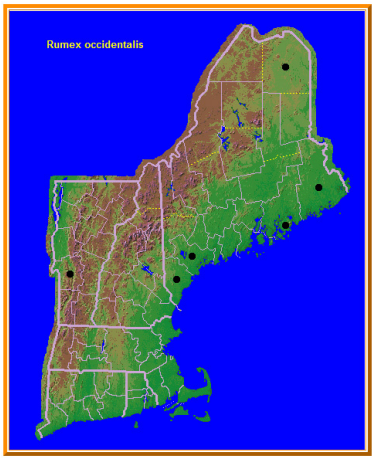
Rumex fueginus Philippi - **American Golden Dock**. 2n = 40.
Salt marshes, shores, waste places. [*R. maritimus* Linnaeus var. *fueginus* (Philippi) Dusén]

Rumex hastatulus Baldwin - **Wild Sorrel**. 2n = 8 (pistillate), 9 (staminate), 10 (both sexes).
Sandy soil, beaches, waste places.

RUMEX LONGIFOLIUS de Candolle - **Northern Dock**. 2n = 60, (80).
Fields, meadows, roadsides, waste places. From Eurasia. [*R. DOMESTICUS* Hartman]



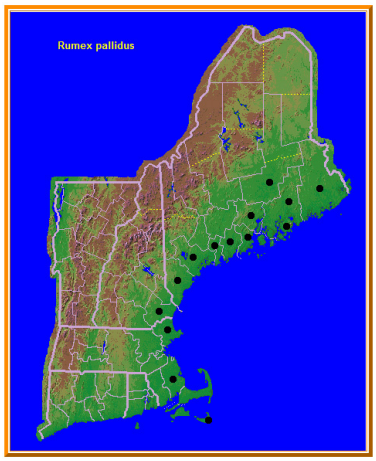


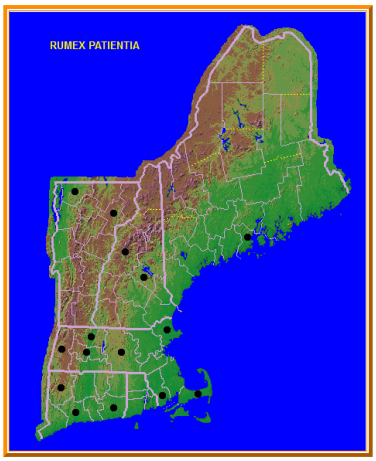


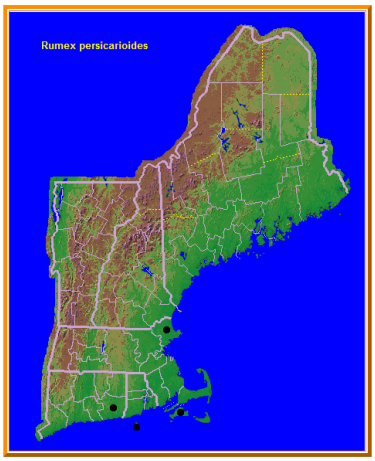
RUMEX MARITIMUS Linnaeus - **Golden Dock**. 2n = 40.
Ballast, waste places. From Europe.

RUMEX OBTUSIFOLIUS Linnaeus - **Bitter Dock**. 2n = (20), 40, (60).
Waste places, roadsides, fields, meadows. From Eurasia.

Rumex occidentalis S. Watson - . 2n = 60, 120, 200.
Swamps, shores, swales. [*R. aquaticus* Linnaeus subsp. *fenestratus* (Greene) Hultén; *R. fenestratus* Greene]



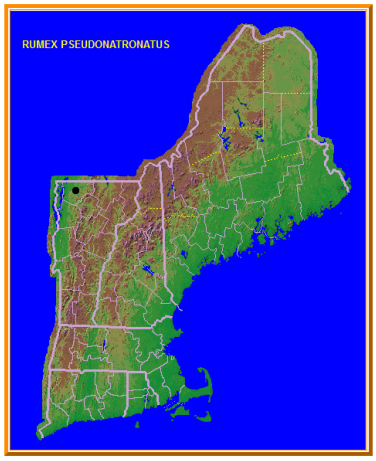


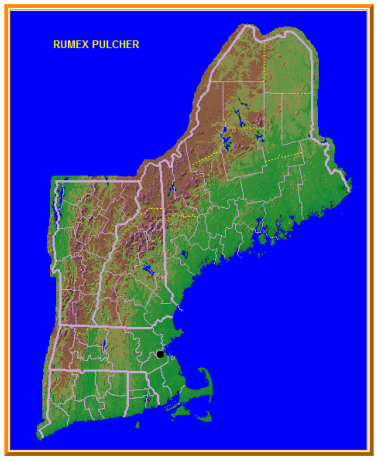


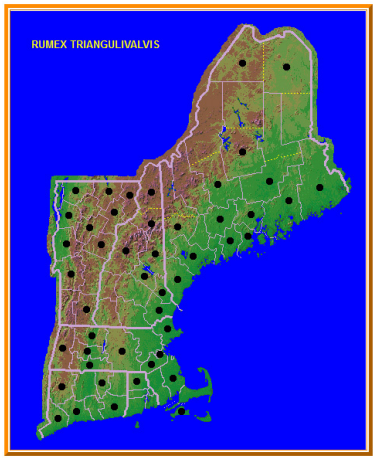
Rumex pallidus Bigelow - **Seabeach Dock**. 2n = 16, 20.
Salt marshes, sea beaches, coastal dunes.

RUMEX PATIENTIA Linnaeus - **Patience Dock**. 2n = (40), 60, (80).
Waste places, roadsides, fields. From Eurasia.

Rumex persicarioides Linnaeus - . 2n = 40.
Coastal marshes and shores. [*R. maritimus* Linnaeus var. *persicarioides* (Linnaeus) R.S. Mitchell)]



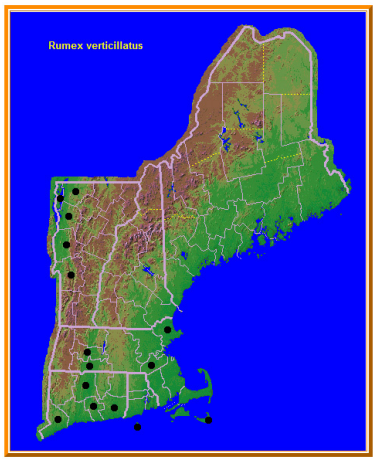


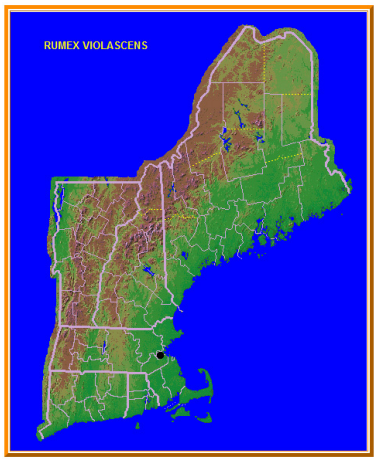


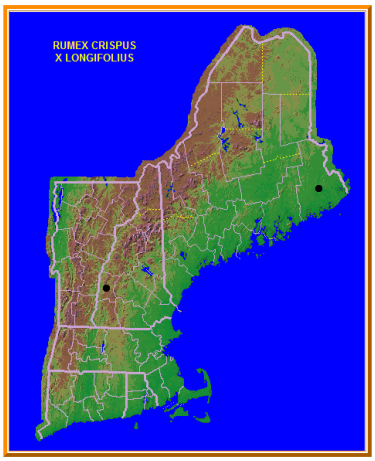
RUMEX PSEUDONATRONATUS (Borbás) Murbeck - **Finnish Dock**. 2n = (20), 40.
Fields, roadsides. From Eurasia.

RUMEX PULCHER Linnaeus - **Fiddle Dock**. 2n = 20, (40).
Waste places, roadsides. From Eurasia, northern Africa.

RUMEX TRIANGULIVALVIS (Danser) Rechinger (son) - **White Willow Dock**. 2n = (15), 20.
Railroads, waste places, roadsides, fields. From farther north and west. [*R. mexicanus* misapplied; *R. salicifolius* misapplied]





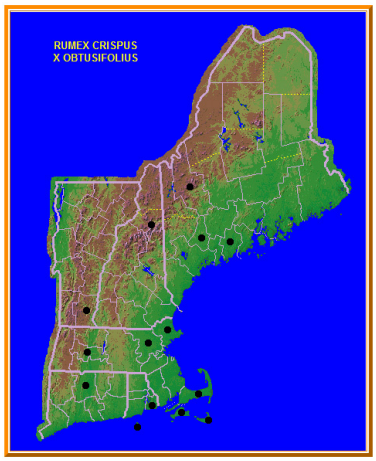


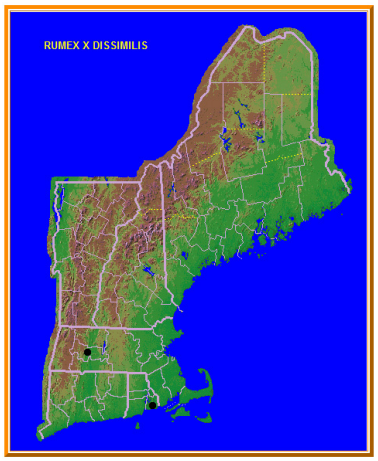
Rumex verticillatus Linnaeus - **Swamp Dock**. 2n = 60.
Swamps, meadows, marshes.

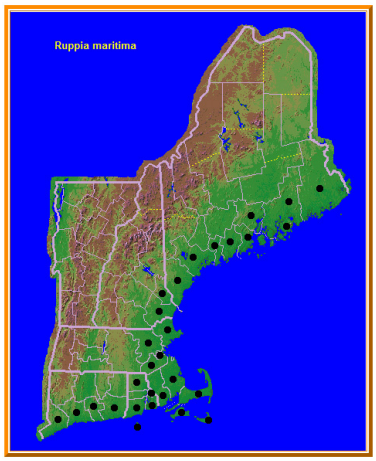
RUMEX VIOLASCENS Rechinger (son) - **Violet Dock**. 2n = 20.
Waste places. From farther west.

Rumex hybrids

RUMEX CRISPUS Linnaeus X ***R. LONGIFOLIUS*** de Candolle - .





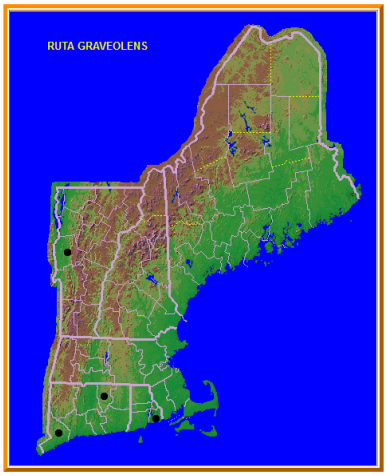


RUMEX CRISPUS Linnaeus X ***R. OBTUSIFOLIUS*** Linnaeus - .

RUMEX X ***DISSIMILIS*** Rechinger (son) (*pro species*) - .
[*R. LONGIFOLIUS* de Candolle X *R. OBTUSIFOLIUS* Linnaeus]

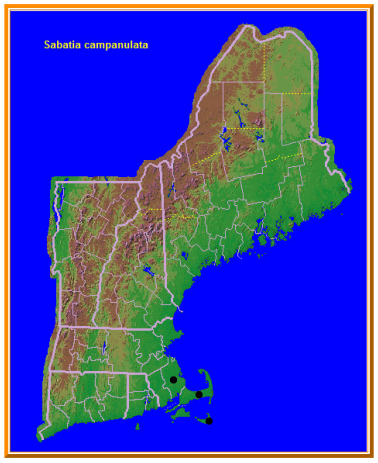
RUPPIA (Family: Ruppiaceae)

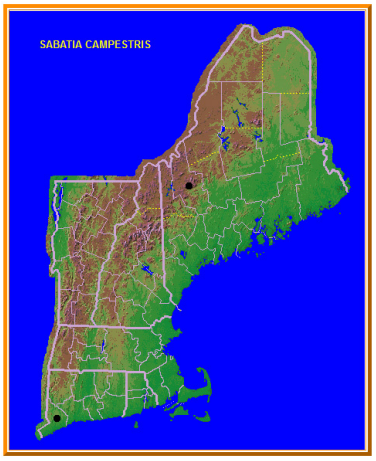
Ruppia maritima Linnaeus - . 2n = (10), 16, 20, (24), 40.
Saline or brackish water. [*R. maritima* var. *longipes* Hagström; *R. maritima* var. *obliqua* (Schur) Ascherson & Graebner; *R. maritima* var. *rostrata* C. Agardh; *R. maritima* var. *subcapitata* Fernald & Wiegand]

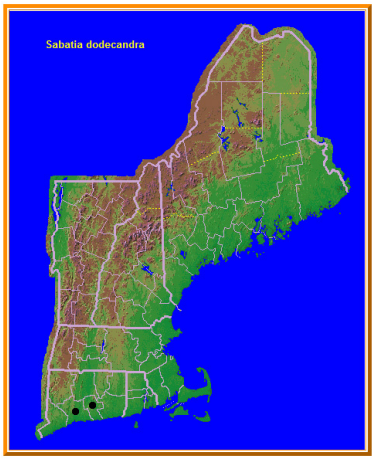


RUTA (Family: Rutaceae)

RUTA GRAVEOLENS Linnaeus - **Common Rue**. 2n = 72, (76), (78), (80), (81).
Waste places. From eastern Europe.





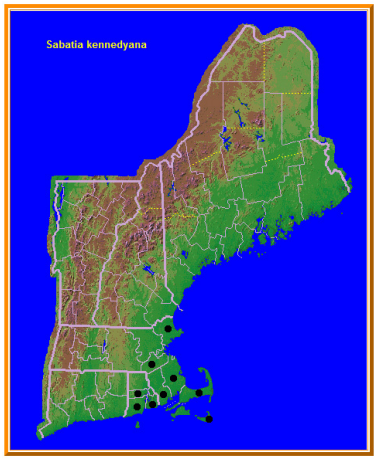


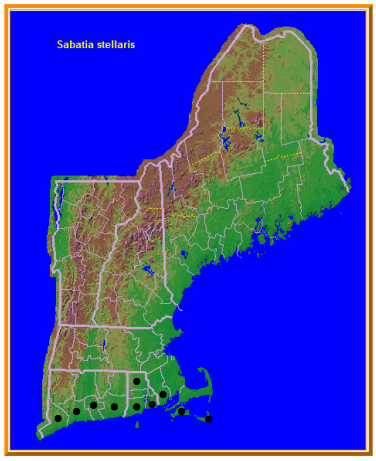
SABATIA (Family: Gentianaceae)

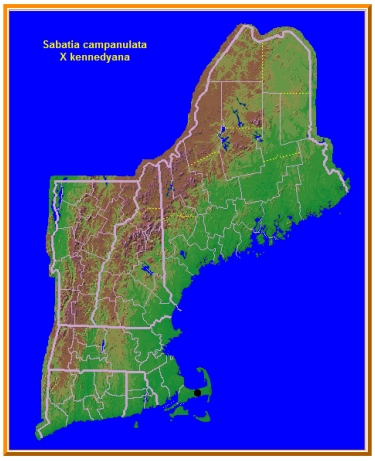
Sabatia campanulata (Linnaeus) Torrey - **Slender Marsh-pink**. 2n = 34.
Pond margins.

SABATIA CAMPESTRIS Nuttall - **Texas-star**. 2n = 26.
Waste places, fields. From farther west and south.

Sabatia dodecandra (Linnaeus) Britton, Sterns & Poggenburg - **Large Marsh-pink**. 2n = 38.
Salt marshes.





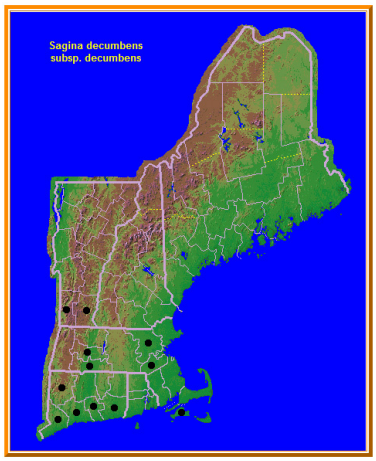


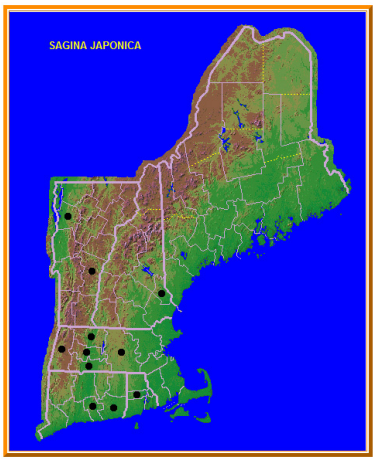
Sabatia kennedyana Fernald - **Plymouth Gentian**. 2n = 40.
Sandy and sphagnous shores of freshwater ponds.

Sabatia stellaris Pursh - **Salt-marsh Pink**. 2n = 36.
Salt or brackish marshes and meadows, brackish pond shores.

***Sabatia* hybrid**

Sabatia campanulata (Linnaeus) Torrey X ***S. kennedyana*** Fernald - .



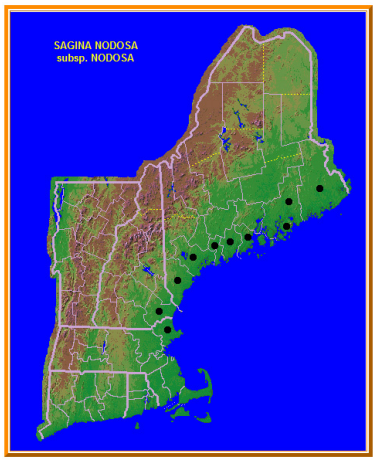


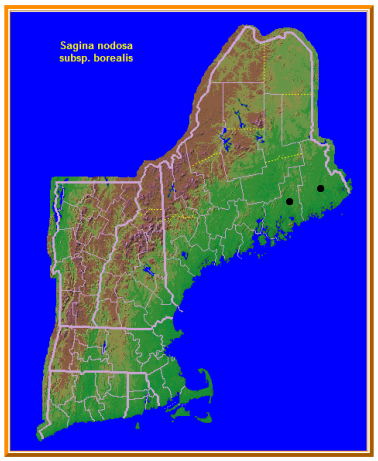
SAGINA (Family: Caryophyllaceae)

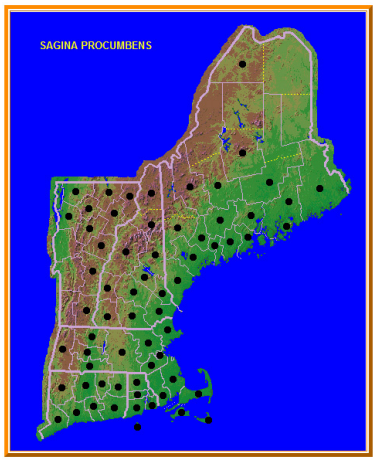
Sagina decumbens (Elliott) Torrey & A. Gray subsp. ***decumbens*** - **Trailing Pearlwort**. 2n = 22, 36.
Dry, sandy soil, roadsides, sidewalk cracks.

SAGINA JAPONICA (Swartz) Ohwi - **Japanese Pearlwort**. 2n = 46, 64.
Dryish, waste places. From eastern Asia.

SAGINA MAXIMA A. Gray subsp. ***MAXIMA*** - **Beach Pearlwort**. 2n = 22, 44, 66.
Rocky shores, gravelly beaches. From farther west.



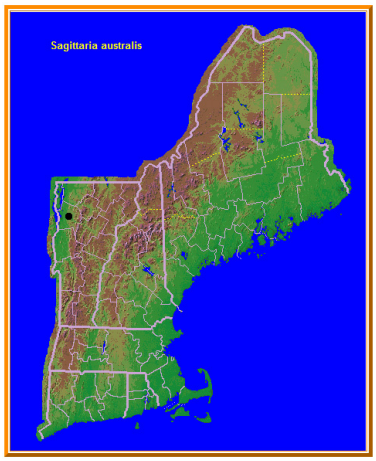


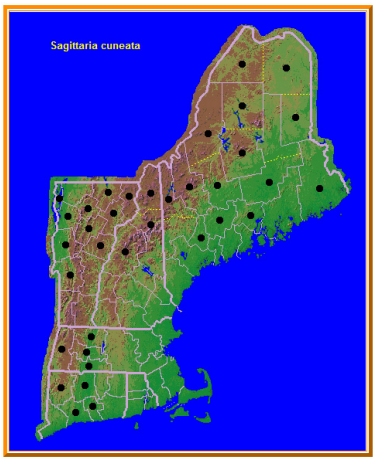


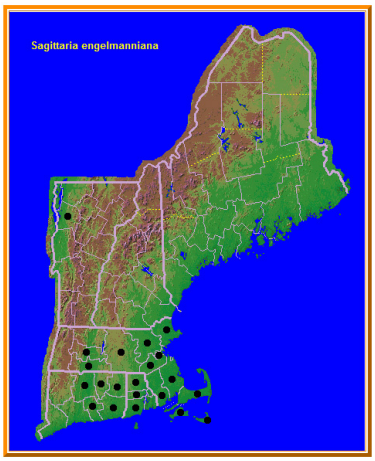
SAGINA NODOSA (Linnaeus) Fenzl subsp. ***NODOSA*** - **Knotted Pearlwort**. 2n = (22), (44), 56.
Moist, coastal ledges and rock crevices. From Europe. [*S. NODOSA* var. *PUBESCENS* (Mertens & W.D.J. Koch) W.D.J. Koch]

Sagina nodosa (Linnaeus) Fenzl subsp. ***borealis*** G.E. Crow - **Knotted Pearlwort**. 2n = 56.
Moist, coastal ledges and rock crevices.

SAGINA PROCUMBENS Linnaeus - **Matted Pearlwort**. 2n = 22.
Moist, gravelly or sandy roadsides, sidewalk cracks, rocky or sandy shores, sea cliffs. From Europe.





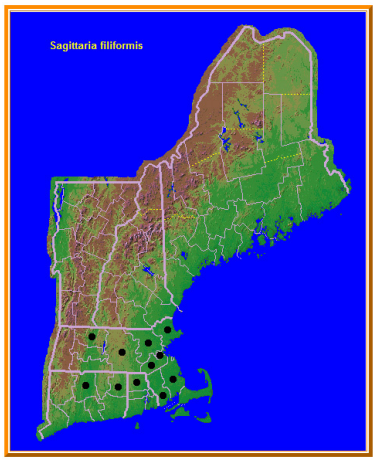


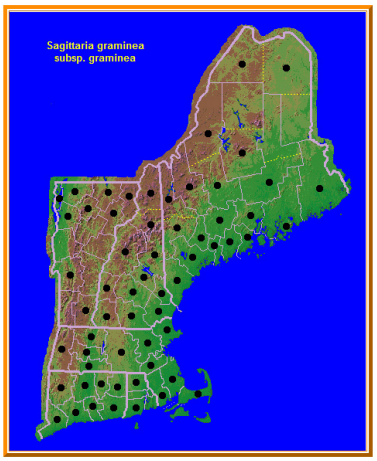
SAGITTARIA (Family: Alismataceae)

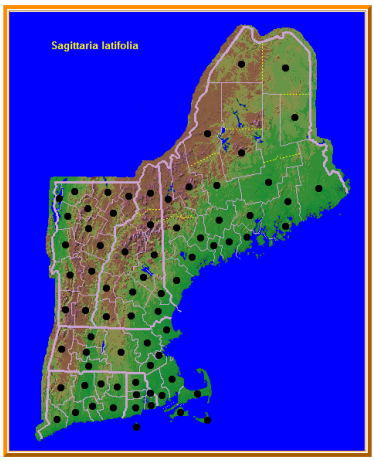
Sagittaria australis (J.G. Smith) Small - **Appalachian Arrowhead**. 2n = 22.
Slightly basic waters of gravelly sandbars.

Sagittaria cuneata E. Sheldon - **Wapato**. 2n = 22.
Alkaline waters of muddy shores and shallow water of rivers.

Sagittaria engelmanniana J.G. Smith - . 2n = 22.
Acidic waters of shores, marshes, and bogs.



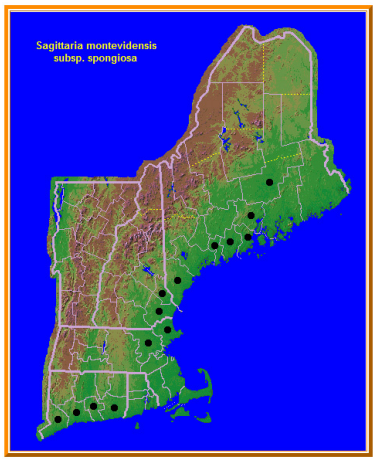


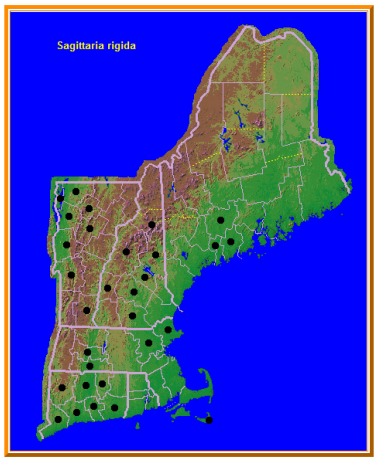


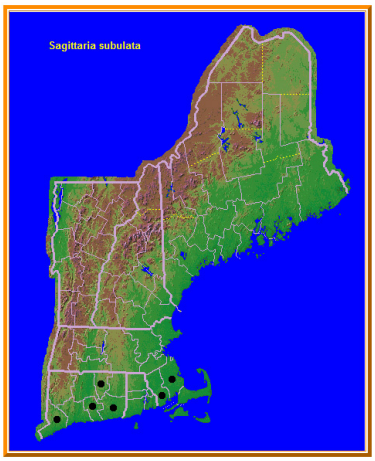
Sagittaria filiformis J.G. Smith - . 2n = 22.
Deep water of streams and in rapids. [*S. subulata* (Linnaeus) Buchenau var. *gracillima* (S. Watson) J.G. Smith]

Sagittaria graminea Michaux subsp. ***graminea*** - . 2n = 22.
Muddy or sandy shores, shallow water. [*S. eatonii* J.G. Smith]

Sagittaria latifolia Willdenow - . 2n = 22.
Muddy shores, ditches, bogs. [*S. latifolia* var. *obtusa* (Engelmann) Wiegand]



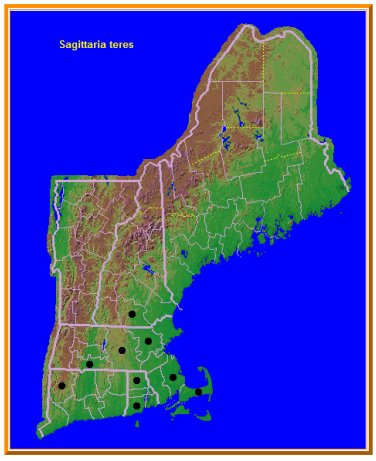


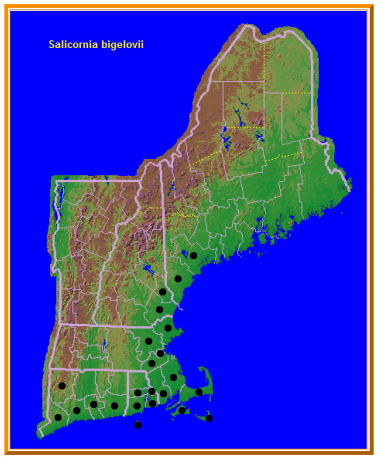


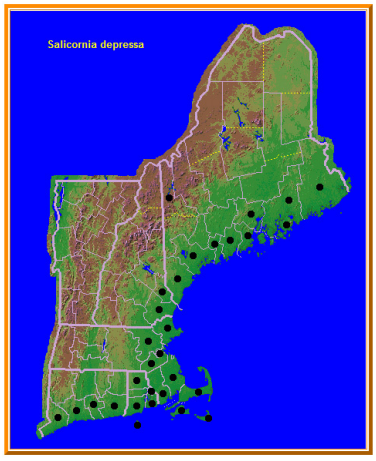
Sagittaria montevidensis Chamisso & Schlechtendal subsp. ***spongiosa*** (Engelmann) Bogin - . 2n = 22.
Tidal mud flats of estuaries and salt marshes. [*S. spathulata* (J.G. Smith) Buchenau; *Lophotocarpus spongiosus* (Engelmann) J.G. Smith]

Sagittaria rigida Pursh - . 2n = 22.
Alkaline or brackish shores and shallow water.

Sagittaria subulata (Linnaeus) Buchenau - . 2n = 22.
Tidal mud.





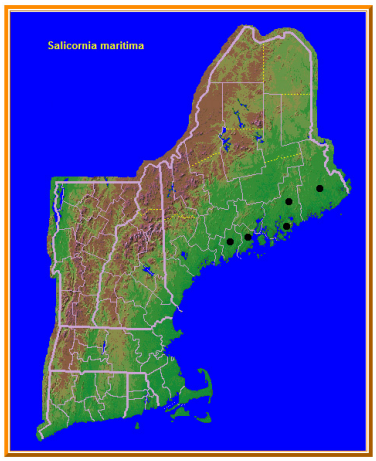


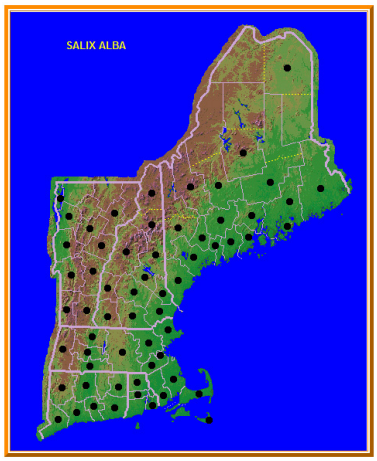
Sagittaria teres S. Watson - . 2n = 22.
Acid, sandy pond shores.

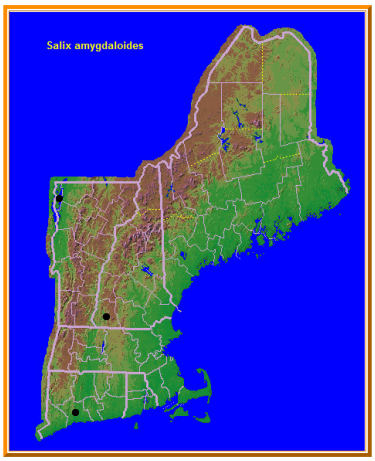
SALICORNIA (Family: Amaranthaceae)

Salicornia bigelovii Torrey - **Dwarf Saltwort**. 2n = 36.
Salt marshes.

Salicornia depressa Standley - **Samphire**. 2n = 36.
Salt marshes. [*S. europaea* Linnaeus var. *europaea* - misapplied; *S. europaea* Linnaeus var. *simplex* (Pursh) Fernald]





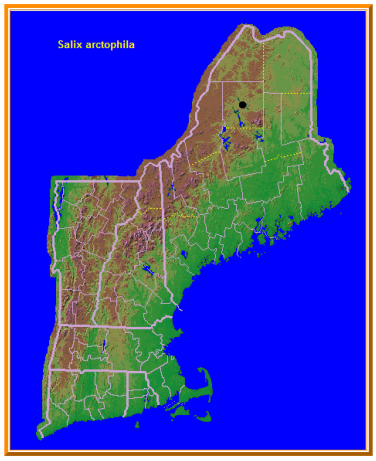


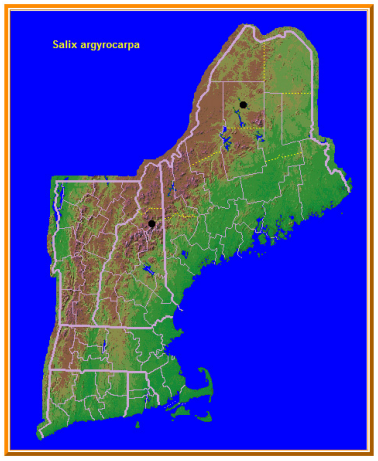
Salicornia maritima S.L. Wolff & Jeffries - **Slender Glasswort**. 2n = 18.
Salt marshes, sea shores. [*S. prostrata* misapplied; *S. europaea* Linnaeus var. *prostrata* misapplied]

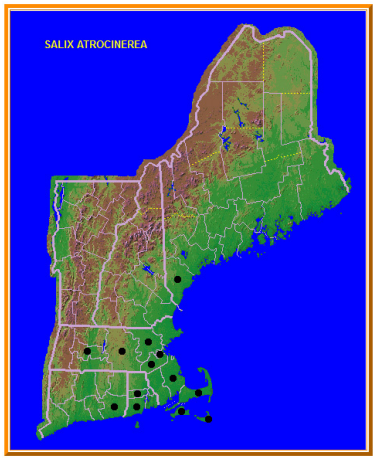
SALIX (Family: Salicaceae)

SALIX ALBA Linnaeus - **White Willow**. 2n = 76.
Low moist ground, along streams, shores, roadsides. From Eurasia. [*S. ALBA* var. *CALVA* G. Meyer; *S. ALBA* var. *VITELLINA* (Linnaeus) Stokes]

Salix amygdaloides Andersson - **Peach-leaved Willow**. 2n = 38.
Lake shores, low woods.



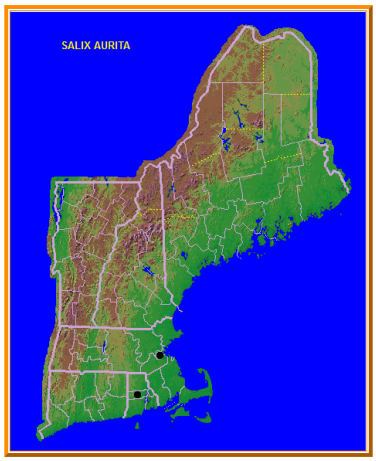


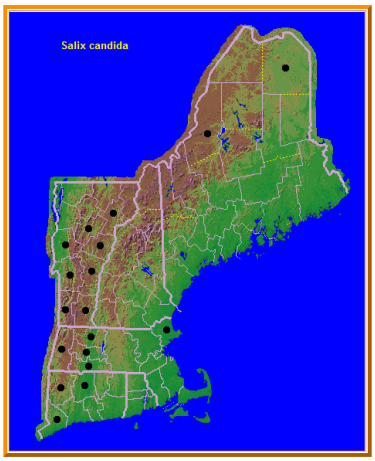


Salix arctophila Cockerell *ex* A. Heller - **Northern Willow**. 2n = 76.
Alpine meadows.

Salix argyrocarpa Andersson - **Labrador Willow**. 2n = 76.
Alpine or subalpine meadows.

SALIX ATROCINEREA Brotero - **Rusty Willow**. 2n = (74), 76.
Marshes, wooded wetlands. From Europe.

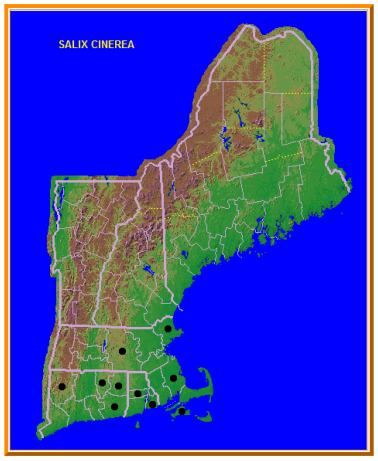


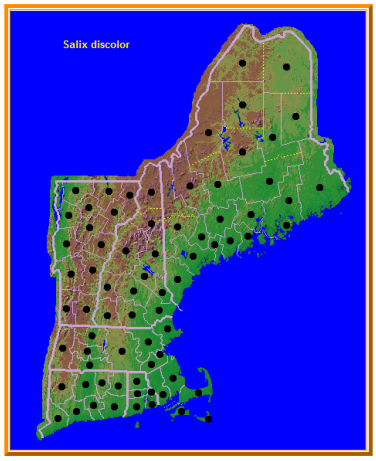


SALIX AURITA Linnaeus - **Eared Willow**. 2n = 38, 76.
Waste places. From Eurasia.

Salix bebbiana Sargent - **Bebb Willow**. 2n = 38.
Damp thickets, springy places.

Salix candida Flüggé *ex* Willdenow - **Hoary Willow**. 2n = 38.
Calcareous bogs and swamps.

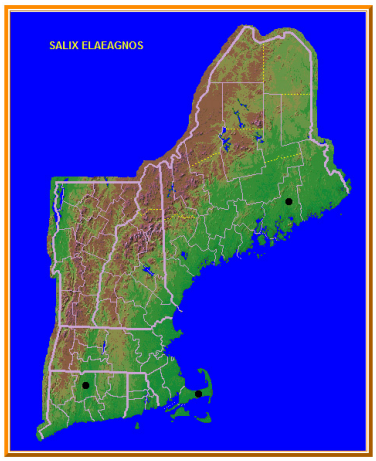


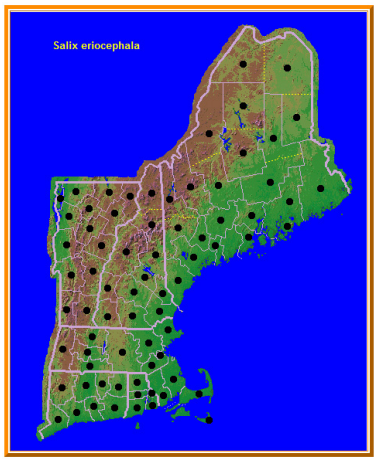


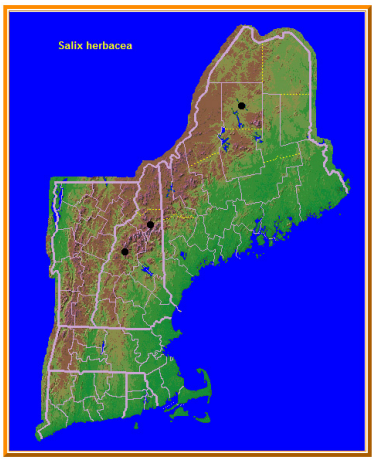
SALIX CAPREA Linnaeus - **Goat Willow**. 2n = 38, (51), (57), (76).
Thickets, roadsides. From Europe

SALIX CINEREA Linnaeus - **Gray Willow**. 2n = (44), 76.
Sandy or gravelly, freshwater shores, wet thickets, moist waste places. From Eurasia.

Salix discolor Muhlenberg - **Pussy Willow**. 2n = 76, 95, 114.
Damp thickets, freshwater shores, swamps. [*S. discolor* var. *overi* C.R. Ball]



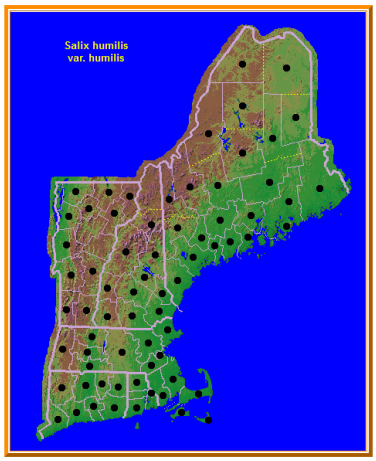


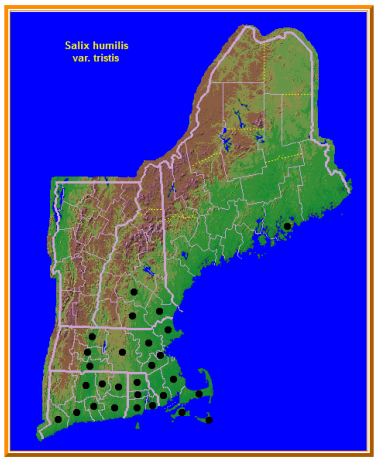


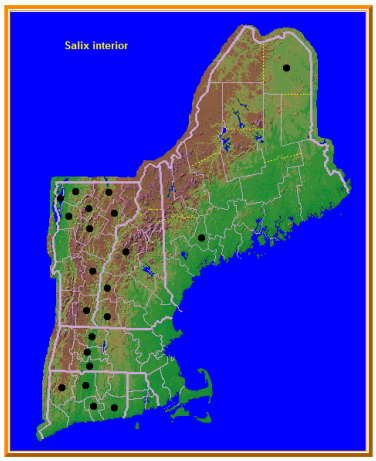
SALIX ELAEAGNOS Scopoli - **Olive Willow**. 2n = 38.
Shores, rocky banks. From Europe. [*S. INCANA* Schrank]

Salix eriocephala Michaux - **Wand Willow**. 2n = 38, (44).
Low thickets, pond shores, streambanks, swamps. [*S. cordata* misapplied; *S. cordata* Muhlenberg var. *abrasa* Fernald; *S. rigida* Muhlenberg; *S. rigida* var. *angustata* (Pursh) Fernald]

Salix herbacea Linnaeus - **Dwarf Willow**. 2n = 38.
Mossy rocks in alpine areas.



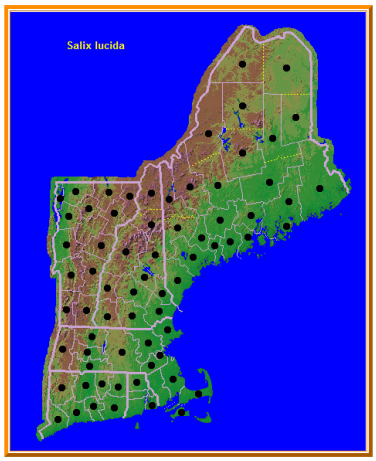


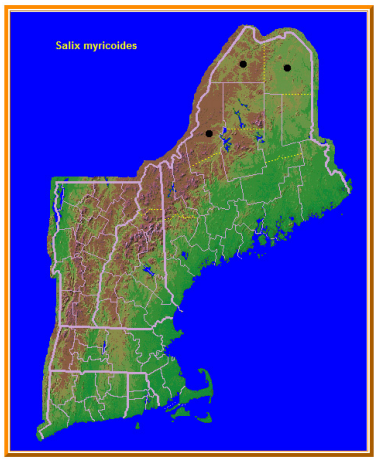


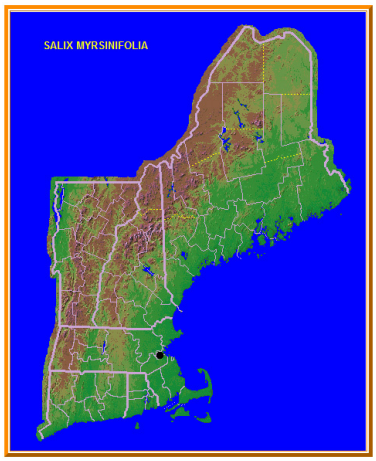
Salix humilis Marshall var. ***humilis*** - **Prairie Willow**. 2n = 38, 76.
Dry thickets, openings, dry, mixed woodlands. [*S. humilis* var. *hyporhysa* Fernald; *S. humilis* var. *keweenawensis* Farwell]

Salix humilis Marshall var. ***tristis*** (Aiton) Griggs - **Dwarf Prairie Willow**. 2n = ?
Dry barrens, open woods, swampy areas in woods. [*S. humilis* var. *microphylla* (Andersson) Fernald; *S. occidentalis* Walter]

Salix interior Rowlee - **Sandbar Willow**. 2n = 38.
Sandy or silty alluvial soil, river sandbars, streambanks, shores. [*S. interior* var. *exterior* Fernald; *S. exigua* Nuttall subsp. *interior* (Rowlee) Cronquist]



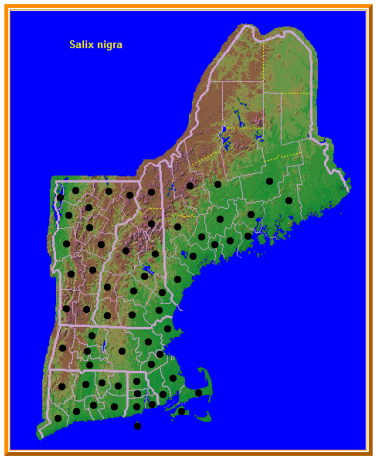


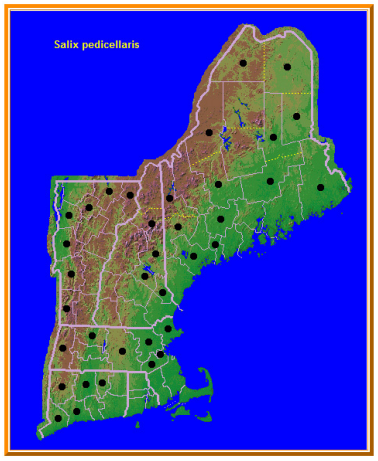


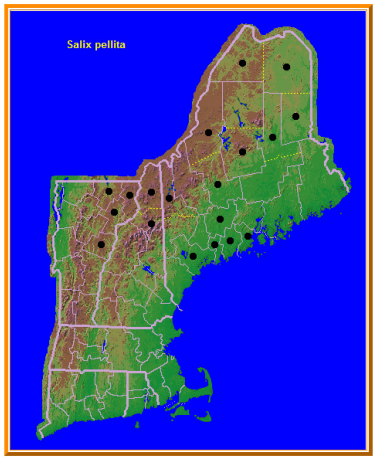
Salix lucida Muhlenberg - **Shining Willow**. 2n = 76.
Low grounds, freshwater shores, swamps. [*S. lucida* var. *angustifolia* Andersson; *S. lucida* var. *intonsa* Fernald]

Salix myricoides Muhlenberg - **Blue-leaf Willow**. 2n = ?
River thickets, gravelly shores, usually in calcareous soil. [*S. glaucophylloides* Fernald]

SALIX MYRSINIFOLIA Salisbury - **Dark-leaved Willow**. 2n = 114.
Waste places, roadsides. From Eurasia.



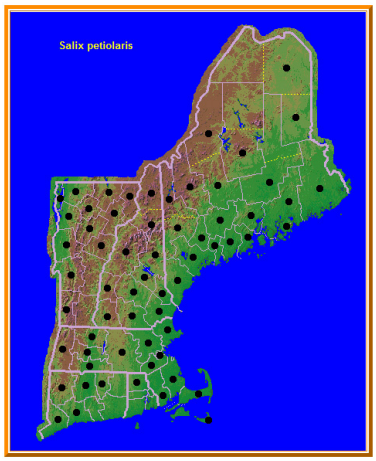


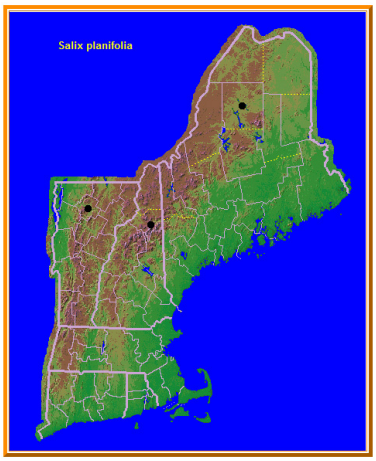


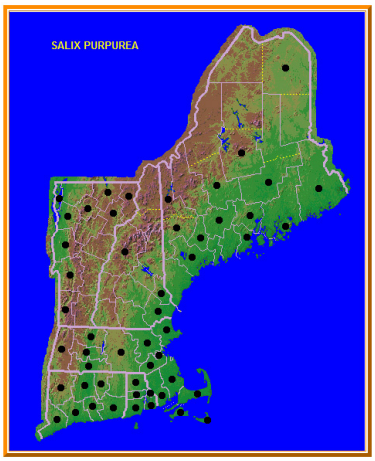
Salix nigra Marshall - **Black Willow**. 2n = 38.
Streambanks, shores, rich, low, woods.

Salix pedicellaris Pursh - **Bog Willow**. 2n = 38, 57, 76.
Sphagnum bogs and swamps, sphagnous shores. [*S. pedicellaris* var. *hypoglauca* Fernald; *S. pedicellaris* var. *tenuescens* Fernald]

Salix pellita (Andersson) Bebb - **Satin Willow**. 2n = 38, 76.
Streambanks, shores, rich, thickets.



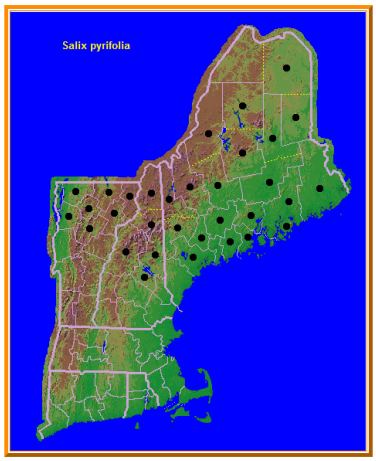


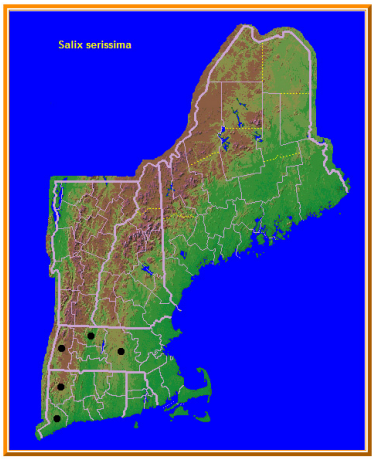


Salix petiolaris Smith - **Slender Willow**. 2n = 38.
Meadows, river thickets, low, moist openings in deciduous woods. [*S. gracilis* Andersson; *S. gracilis* var. *textoris* Fernald; *S.* X *subsericea* (Andersson) C.K. Schneider (*pro species*)]

Salix planifolia Pursh - **Tea-leaved Willow**. 2n = 57, 76.
Alpine, subalpine and boreal meadows, streambanks, wet thickets.

SALIX PURPUREA Linnaeus - **Purple Osier**. 2n = 38.
Low, wet ground. From Europe.

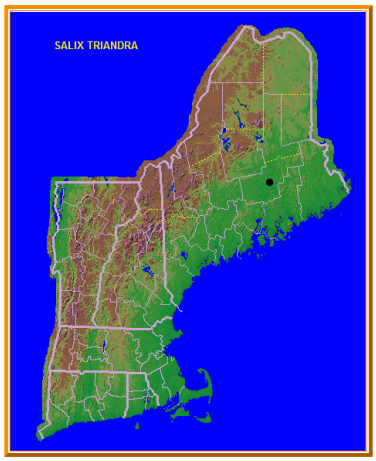


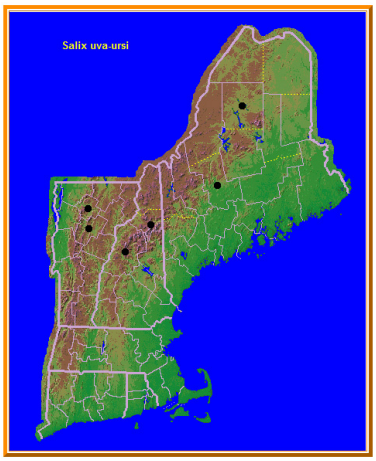


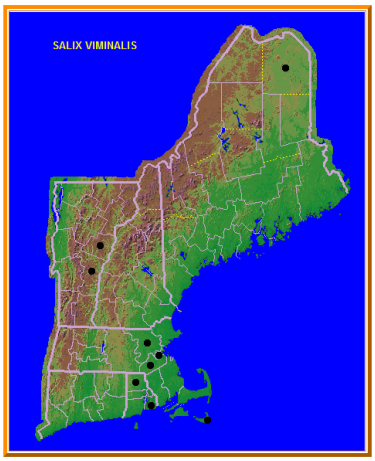
Salix pyrifolia Andersson - **Balsam Willow**. 2n = 38.
Bogs, swamps, damp thickets.

Salix sericea Marshall - **Silky Willow**. 2n = ?
River thickets, swamps. [*S. coactilis* Fernald]

Salix serissima (L.H. Bailey) Fernald - **Autumn Willow**. 2n = 76.
Calcareous marshes, bogs and swamps.







SALIX TRIANDRA Linnaeus - **Almond Willow**. 2n = 38 (44), (57), (88).
Streambanks, waste places. From Eurasia.

Salix uva-ursi Pursh - **Bearberry Willow**. 2n = 38.
Exposed, rocky, alpine areas.

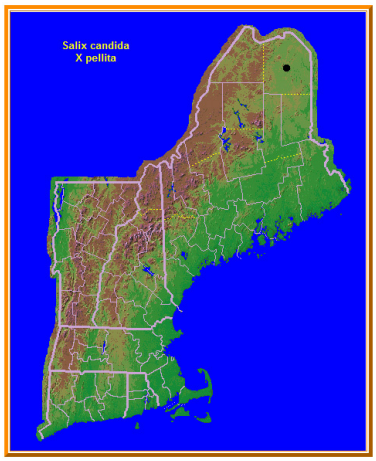
SALIX VIMINALIS Linnaeus - **Osier**. 2n = 38.
Streambanks, roadsides, freshwater shores. From Europe.

Salix hybrids

SALIX ALBA Linnaeus X ***S. petiolaris*** Smith - .

Salix bebbiana Sargent X ***S. eriocephala*** Michaux - .

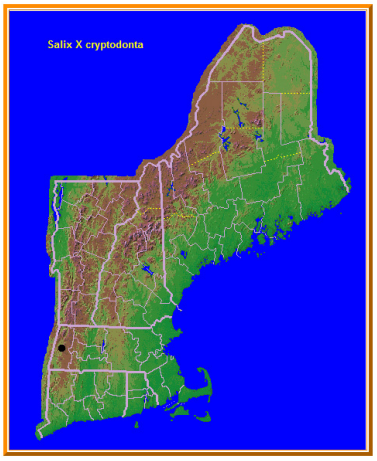
Salix bebbiana Sargent X ***S. humilis*** Marshall var. ***humilis*** - .



Salix bebbiana Sargent X ***S. petiolaris*** Smith - .

Salix X ***beschelii*** B. Boivin - .
[*S. bebbiana* Sargent X *S. discolor* Muhlenberg]

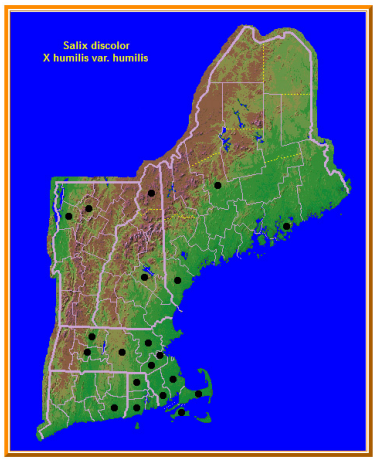
Salix candida Flüggé *ex* Willdenow X ***S. pellita*** (Andersson) Bebb - .

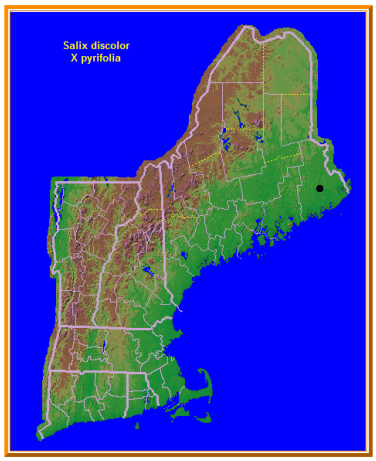


SALIX CINEREA Linnaeus X ***S. eriocephala*** Michaux - .

Salix X ***cryptodonta*** Fernald (*pro species*) - .
[*S. bebbiana* Sargent X *S. candida* Flüggé *ex* Willdenow]

Salix discolor Muhlenberg X ***S. eriocephala*** Michaux - .

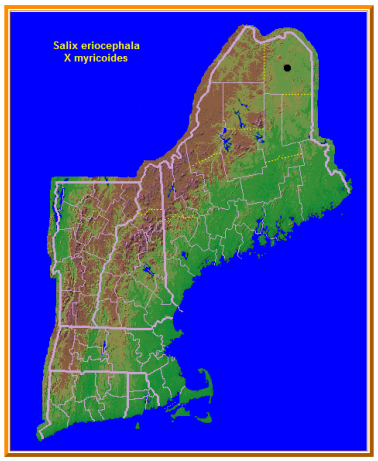




Salix discolor Muhlenberg X ***S. humilis*** Marshall var. ***humilis*** - .

Salix discolor Muhlenberg X ***S. petiolaris*** Smith - .

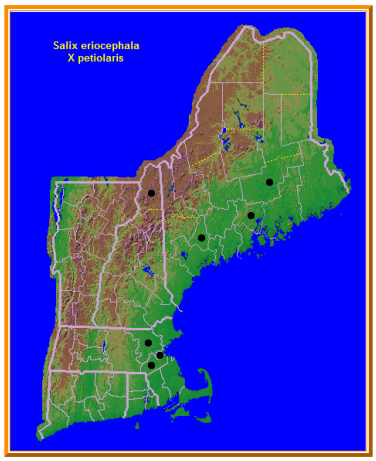
Salix discolor Muhlenberg X ***S. pyrifolia*** Andersson - .

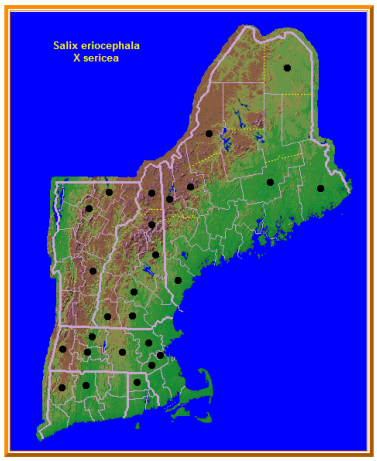


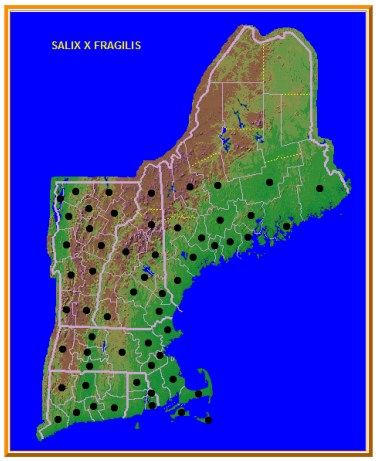
Salix eriocephala Michaux X ***S. lucida*** Muhlenberg - .

Salix eriocephala Michaux X ***S. myricoides*** Muhlenberg - .

Salix eriocephala Michaux X ***S. pedicellaris*** Pursh - .



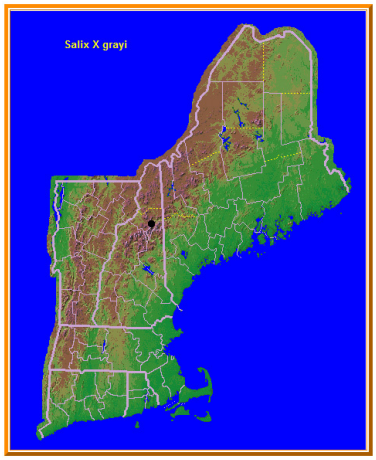


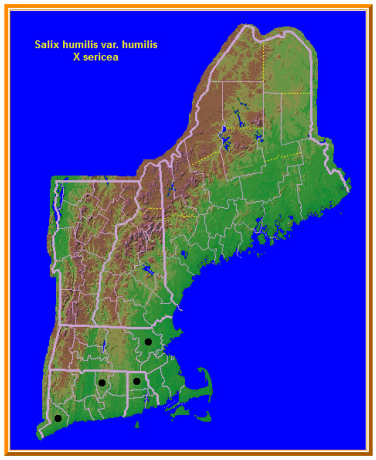


Salix eriocephala Michaux X ***S. petiolaris*** Smith - .

Salix eriocephala Michaux X ***S. sericea*** Marshall - .
[*S.* X *bebbii* Gandoger - invalid name]

SALIX X ***FRAGILIS*** Linnaeus - **Crack Willow**.
[*S. ALBA* Linnaeus X *S. EUXINA* I.V. Belyaeva; *S.* X *RUBENS* Schrank (*pro species*)]





Salix X ***grayi*** C.K. Schneider - .
[*S. argyrocarpa* Andersson X *S. planifolia* Pursh]

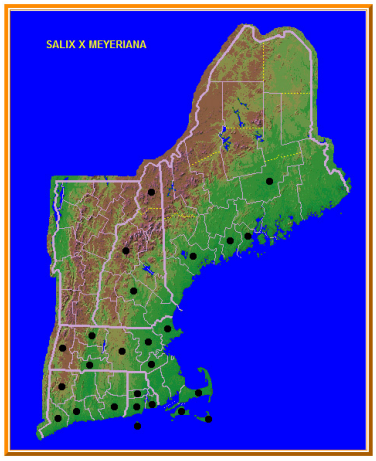
Salix humilis Marshall var. ***humilis*** X ***S. petiolaris*** Smith - .

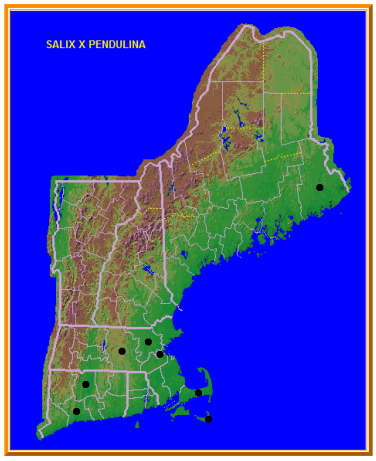
Salix humilis Marshall var. ***humilis*** X ***S. sericea*** Marshall - .

Salix humilis Marshall var. ***tristis*** (Aiton) Griggs X ***S. petiolaris*** Smith - .

Salix X ***jesupii*** Fernald - .
[*S. ALBA* Linnaeus X *S. lucida* Muhlenberg]

Salix lucida Muhlenberg X ***S. serissima*** (L.H. Bailey) Fernald - .

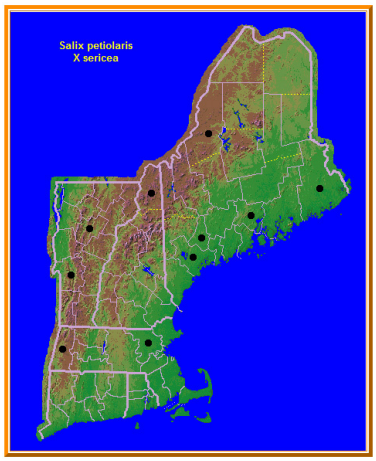


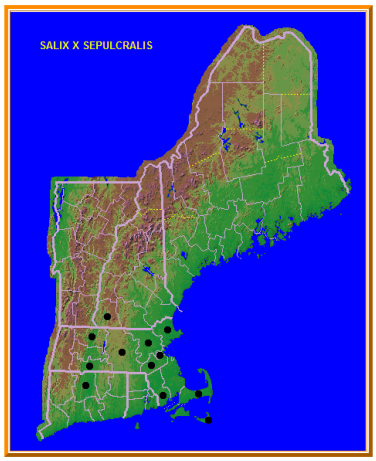


SALIX X ***MEYERIANA*** Rostkovius *ex* Willdenow - .
[*S. PENTANDRAA* Linnaeus X *S. EUXINA* I.V. Belyaeva; *S. PENTANDRA* misapplied]

Salix X ***peasei*** Fernald (*pro species*) - .
[*S. herbacea* Linnaeus X *S. uva-ursi* Pursh]

SALIX X ***PENDULINA*** Wenderoth - **Weeping Willow**.
[*S. BABYLONICA* Linnaeus X *S. EUXINA* I.V. Belyaeva; *S. BABYLONICA* misapplied]

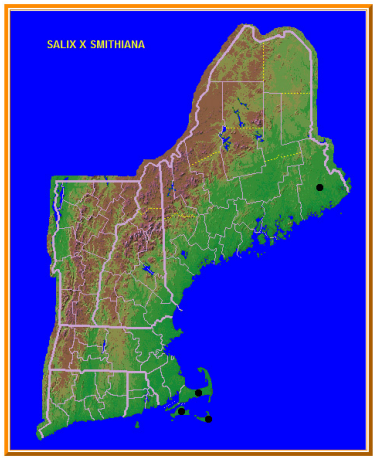


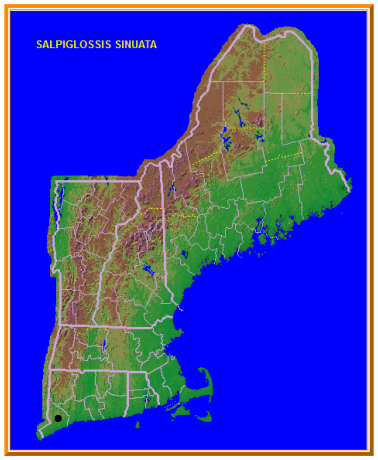


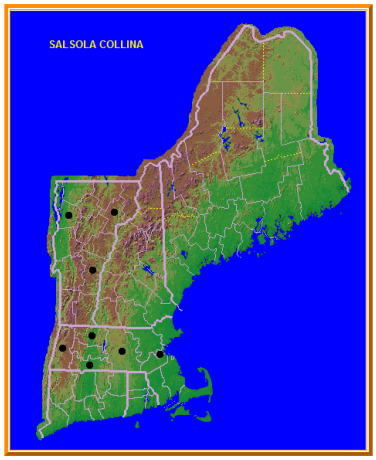
Salix petiolaris Smith X ***S. sericea*** Marshall - .

Salix X ***rubella*** Bebb *ex* C.K. Schneider - .
[*S. candida* Flüggé *ex* Willdenow X *S. eriocephala* Michaux]

SALIX X ***SEPULCRALIS*** Simonkai - **Weeping Willow**.
[*S. ALBA* Linnaeus X *S. BABYLONICA* Linnaeus; *S. BABYLONICA* misapplied]







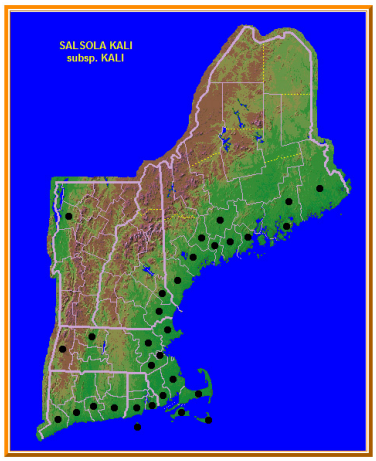
SALIX X ***SMITHIANA*** Willdenow (*pro species*) - .
[*S. CAPREA* Linnaeus X *S. VIMINALIS* Linnaeus; *S.* X *SERICANS* Tausch *ex* A. Kerner]

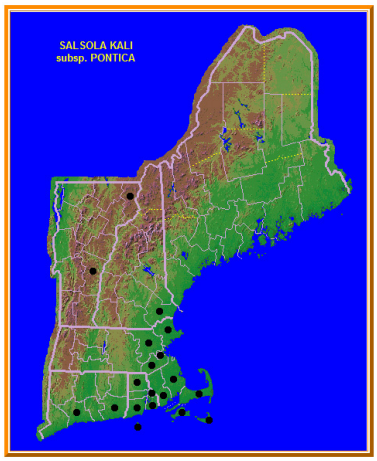
SALPIGLOSSIS (Family: Solanaceae)

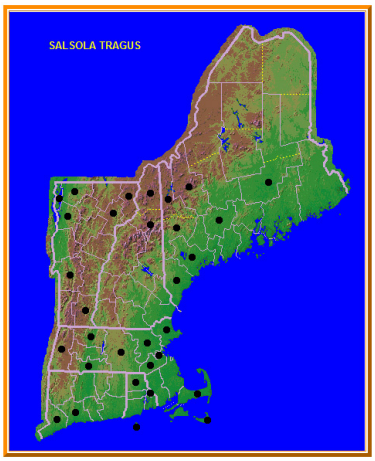
SALPIGLOSSIS SINUATA Ruiz & Pavón - **Painted-tongue**. 2n = 44.
Waste places. From Chile.

SALSOLA (Family: Amaranthaceae)

SALSOLA COLLINA Pallas - **Slender Russian Thistle**. 2n = 18.
Waste places, roadsides, fields. From Eurasia.



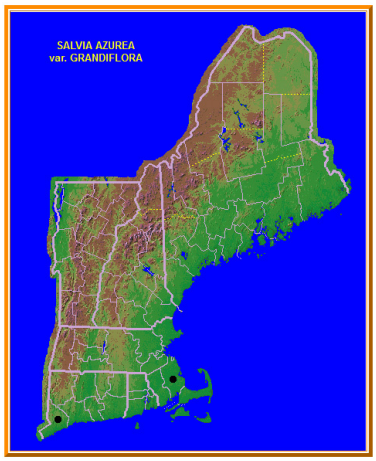


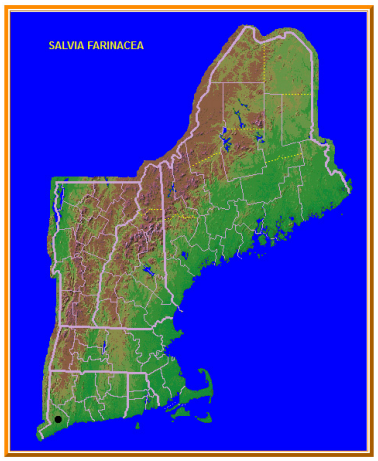


SALSOLA KALI Linnaeus subsp. ***KALI*** - **Common Saltwort**. 2n = (30), 36, (54).
Sea beaches. From Europe.

SALSOLA KALI Linnaeus subsp. ***PONTICA*** (Pallas) Mosyakin - **Prickly Russian Thistle**. 2n = 18.
Sea beaches. From Eurasia, northern Africa. [*S. KALI* var. *CAROLINIANA* (Walter) Nuttall; *S. CAROLINIANA* Walter]

SALSOLA TRAGUS Linnaeus - **Russian Thistle**. 2n = (18), 36.
Sandy shores, roadsides, waste places, fields. From Eurasia. [*S. IBERICA* (Sennen & Pau) Botschantzev *ex* Czerepanov; *S. KALI* Linnaeus var. *TENUIFOLIA* Tausch; *S. PESTIFER* A. Nelson]



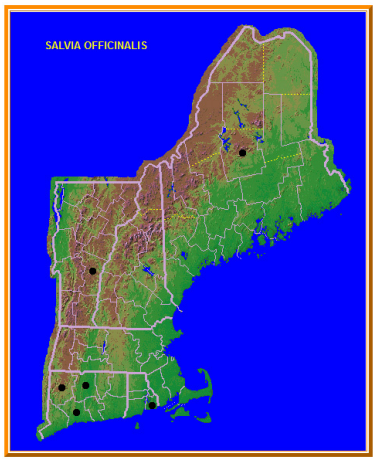


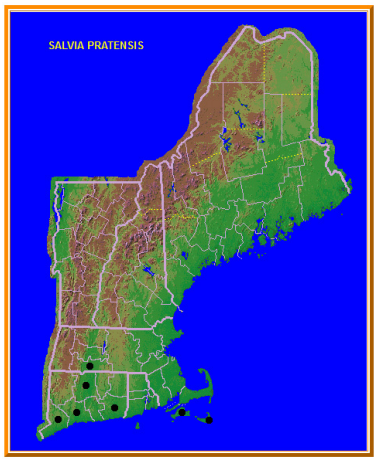
SALVIA (Family: Lamiaceae)

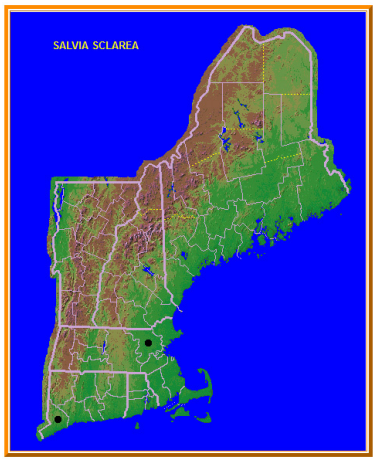
SALVIA AZUREA Michaux *ex* Vahl var. ***GRANDIFLORA*** Bentham - **Blue Sage**. 2n = 20.
Waste places, sidewalks. From farther west. [*S. PITCHERI* Torrey *ex* Bentham]

SALVIA FARINACEA Bentham - **Mealy-cup Sage**. 2n = 18, (20).
Roadsides. From south central United States.

Salvia lyrata Linnaeus - **Cancerweed**. 2n = 36.
Meadows.



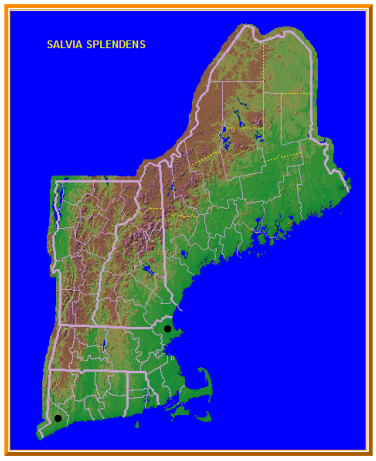


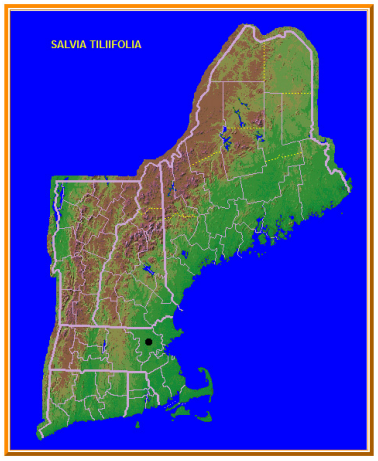


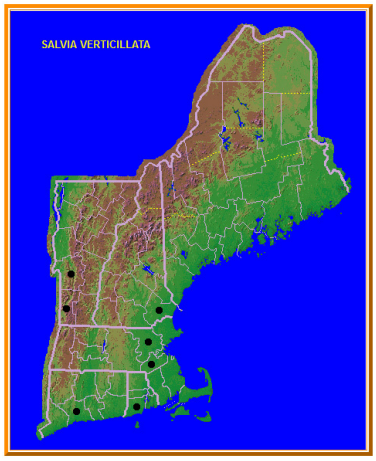
SALVIA OFFICINALIS Linnaeus - **Garden Sage**. 2n = 14, (16).
Roadsides, fields, fencerows, river thickets. From southeastern Europe.

SALVIA PRATENSIS Linnaeus - **Meadow Sage**. 2n = (16), 18, (20), (32).
Waste places, fields, grassy hillsides, roadsides. From Europe.

SALVIA SCLAREA Linnaeus - **Clary Sage**. 2n = 22.
Waste places, fencerows. From Eurasia.



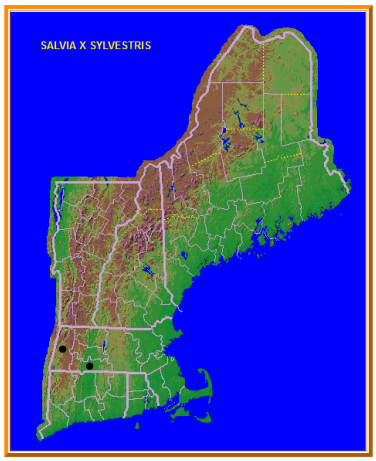


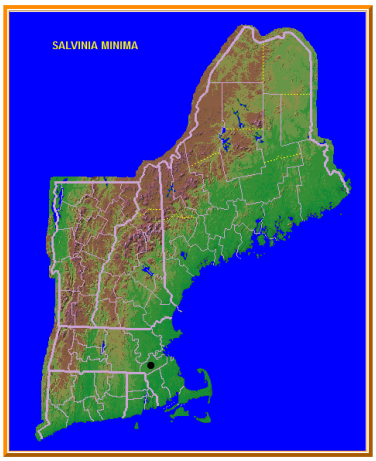


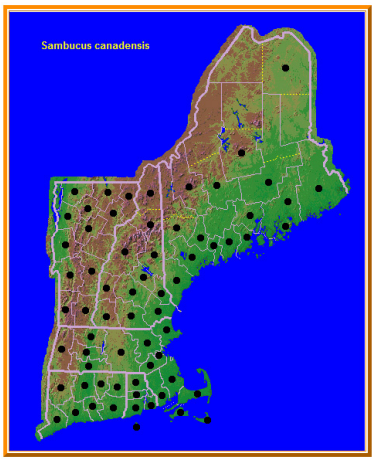
SALVIA SPLENDENS Sellow *ex* Nees - **Scarlet Sage**. 2n = (16), (20), (32), 44.
Waste places. From Brazil.

SALVIA TILIIFOLIA Vahl - . 2n = 22.
Waste places. From Mexico, Central and South America.

SALVIA VERTICILLATA Linnaeus - **Lilac Sage**. 2n = 16, (32).
Fields, meadows, waste places, roadsides. From Eurasia.







***Salvia* hybrid**

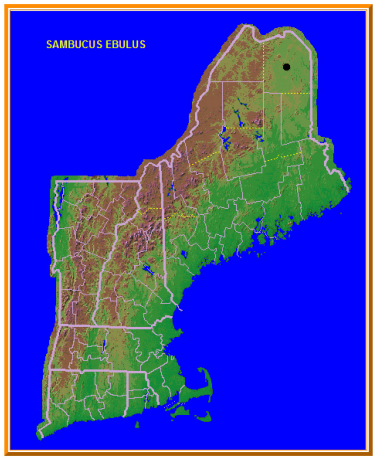
SALVIA X ***SYLVESTRIS*** Linnaeus (*pro species*) - .
[*S. NEMOROSA* Linnaeus X *S. PRATENSIS* Linnaeus; *S. NEMOROSA* misapplied]

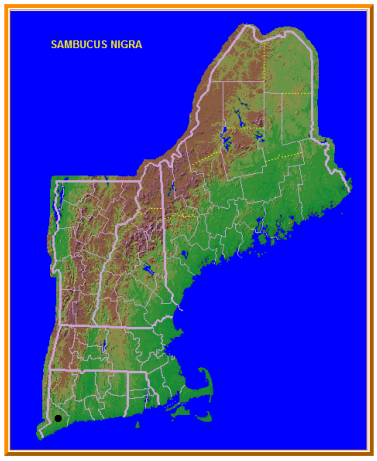
SALVINIA (Family: Salviniaceae)

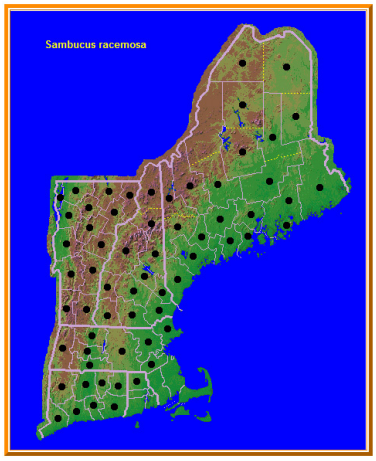
SALVINIA MINIMA Baker - **Floating Fern**. 2n = 36, 54.
On still waters of ponds or slow streams. From Europe and Asia. [*S. natans* misapplied; *S. rotundifolia* misapplied]

SAMBUCUS (Family: Adoxaceae)

Sambucus canadensis Linnaeus - **Common Elder**. 2n = 36.
Swamps, wet woods, damp roadsides, moist soil. [*S. nigra* Linnaeus susp. *canadensis* (Linnaeus) Bolli]



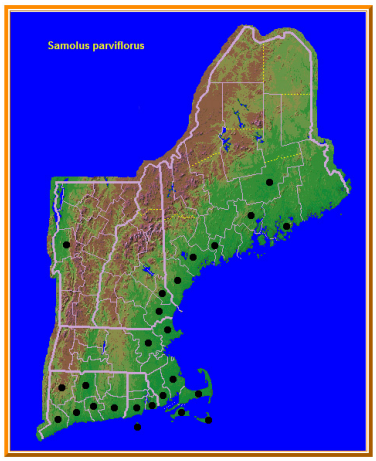


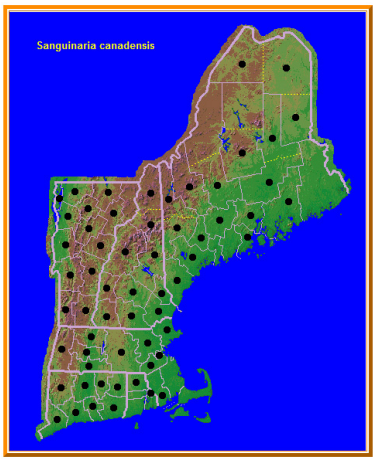


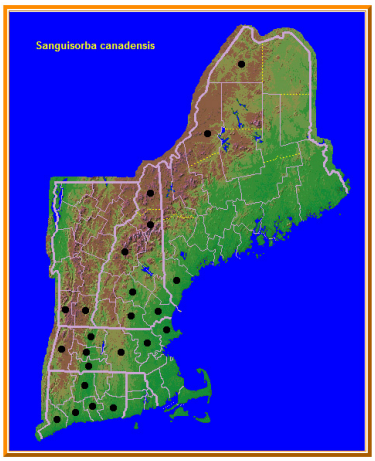
SAMBUCUS EBULUS Linnaeus - **Danewort**. 2n = (32), 36.
Roadsides. From Eurasia, northern Africa.

SAMBUCUS NIGRA Linnaeus - **European Elder**. 2n = 36.
Waste ground. From Eurasia, northern Africa.

Sambucus racemosa Linnaeus - **Red-berried Elder**. 2n = 36, (38), (42).
Rich woods, openings, often rocky. [*S. pubens* Michaux; *S. racemosa* Linnaeus subsp. *pubens* (Michaux) Hultén]







SAMOLUS (Family: Primulaceae)

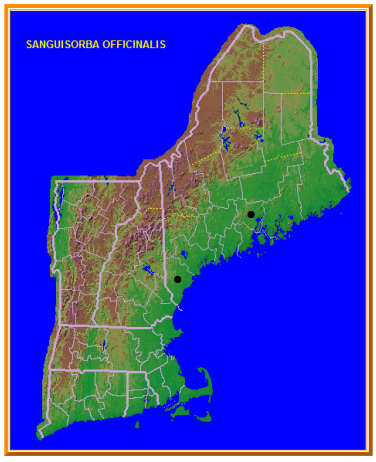
Samolus parviflorus Rafinesque - **Seaside Brookweed**. 2n = 26.
Tidal shores, wet places. [*S. floribundus* Kunth]

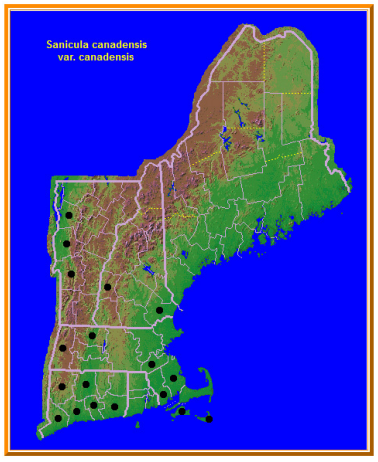
SANGUINARIA (Family: Papaveraceae)

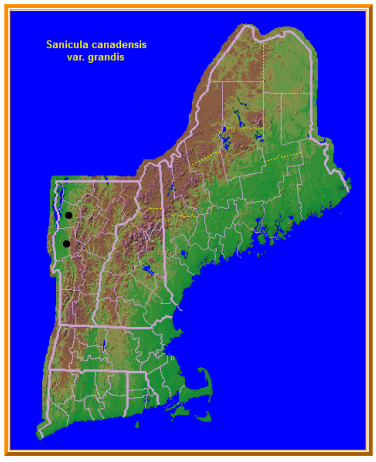
Sanguinaria canadensis Linnaeus - **Bloodroot**. 2n = 18.
Rich woods.

SANGUISORBA (Family: Rosaceae)

Sanguisorba canadensis Linnaeus - **American Burnet**. 2n = 28, 56.
Meadows, swamps, low ground, sphagnous soils.





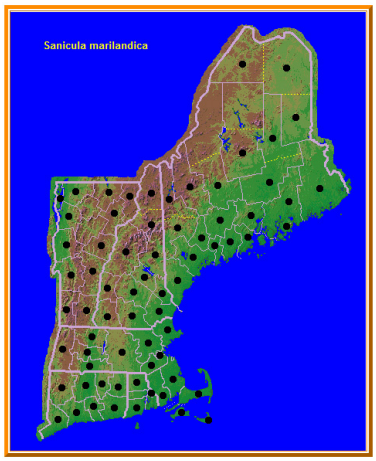


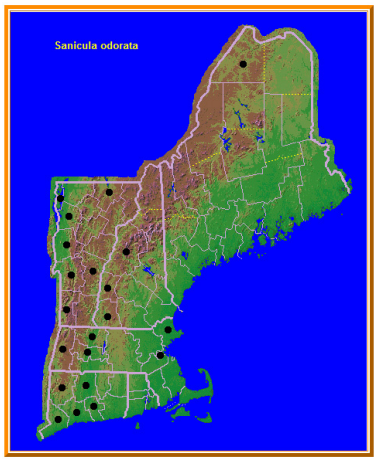
SANGUISORBA OFFICINALIS Linnaeus - **Great Burnet**. 2n = (14), 28, (42), 56.
Roadsides, fields, thickets. From Eurasia, northwestern North America.

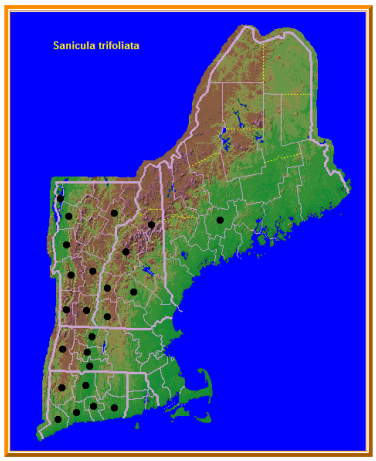
SANICULA (Family: Apiaceae)

Sanicula canadensis Linnaeus var. ***canadensis*** - . 2n = 16.
Rich woodlands.

Sanicula canadensis Linnaeus var. ***grandis*** - . 2n = ?
Rich woodlands.



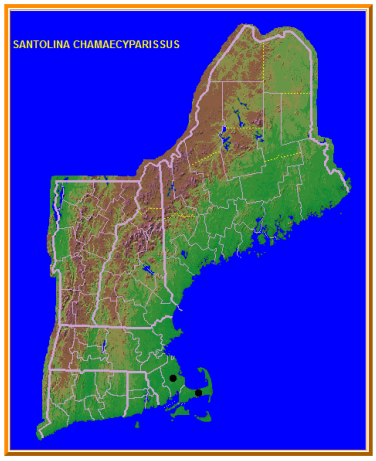


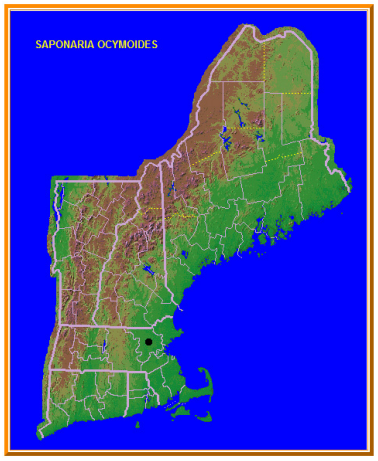


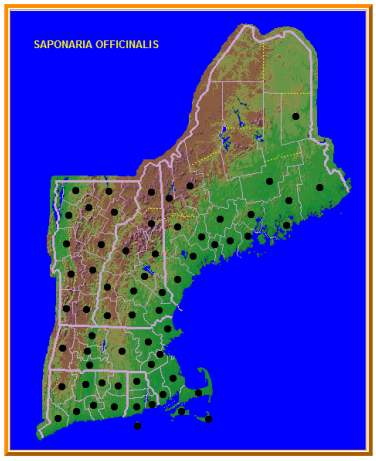
Sanicula marilandica Linnaeus - **Black Snakeroot**. 2n = 16.
Open woodlands, thickets, often in dry, rich, rocky soil.

Sanicula odorata (Rafinesque) Pryer & Phillippe - . 2n = 16.
Rich woodlands. [*S. gregaria* E.P. Bicknell]

Sanicula trifoliata E.P. Bicknell - . 2n = ?
Rich woodlands.







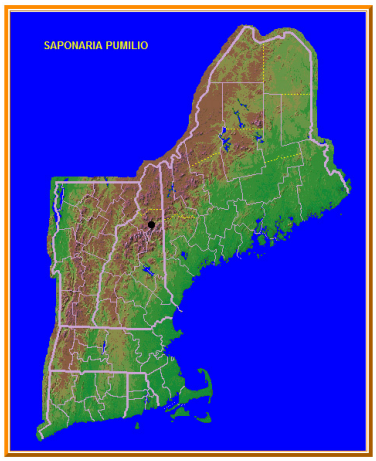
SANTOLINA (Family: Asteraceae)

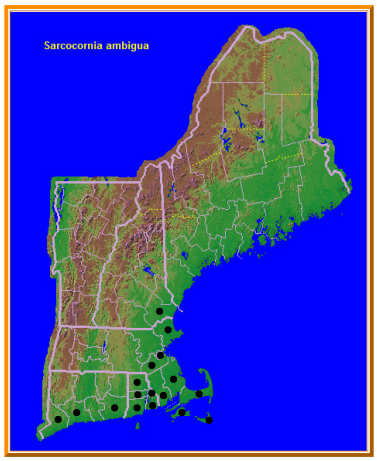
SANTOLINA CHAMAECYPARISSUS Linnaeus - **Lavender-cotton**. 2n = 18, (36), (45).
Dry, sandy banks, roadsides, thin, pine woods. From Europe.

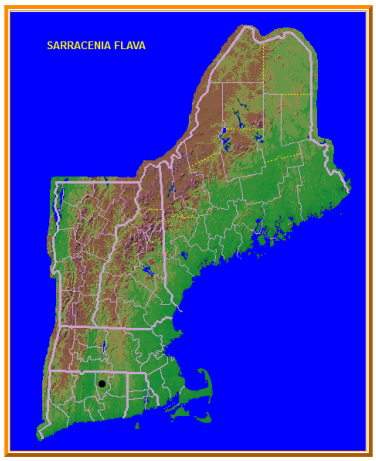
SAPONARIA (Family: Caryophyllaceae)

SAPONARIA OCYMOIDES Linnaeus - **Rock Soapwort**. 2n = 28.
Waste places. From Europe.

SAPONARIA OFFICINALIS Linnaeus - **Bouncing-bet**. 2n = 28.
Roadsides, waste places, fields. From Eurasia.







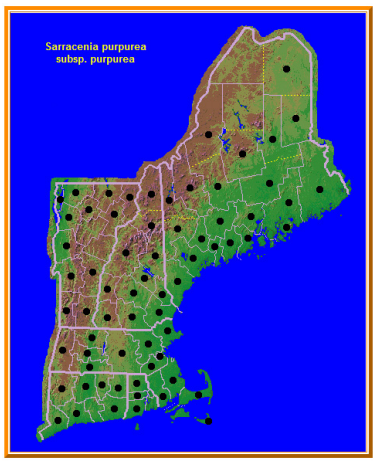
SAPONARIA PUMILIO Boissier - **Pygmy Pink**. 2n = ?
Ledges. From Europe. [*SILENE PUMILIO* (Linnaeus) Wulfen]

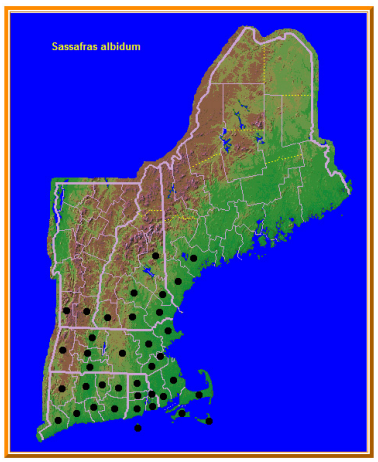
SARCOCORNIA (Family: Amaranthaceae)

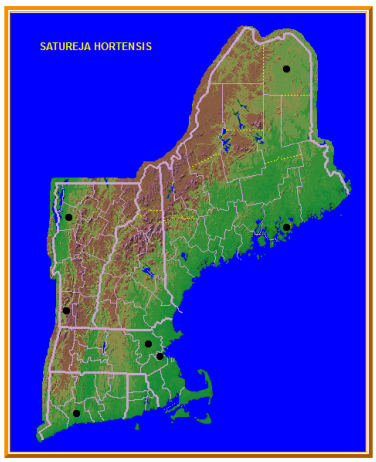
Sarcocornia ambigua (Michaux) M.A. Alonso & M.B. Crespo - **Woody Glasswort**. 2n = 18.
Sea beaches, tidal flats, salt marshes. [*S. pacifica* misapplied; *Salicornia virginica* misapplied]

SARRACENIA (Family: Sarraceniaceae)

SARRACENIA FLAVA Linnaeus - **Trumpets**. 2n = 26.
Floating *Sphagnum* mats. From farther south.







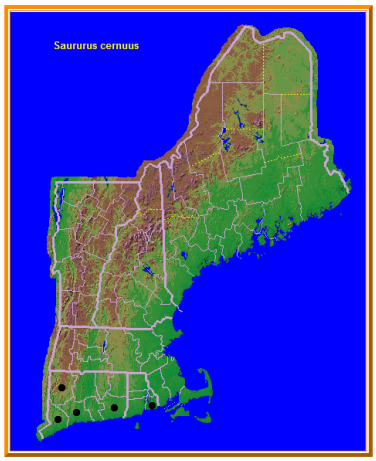
Sarracenia purpurea Linnaeus subsp. ***purpurea*** - **Common Pitcher-plant**. 2n = 26.
Peaty soil of bogs, swamps and pond margins.

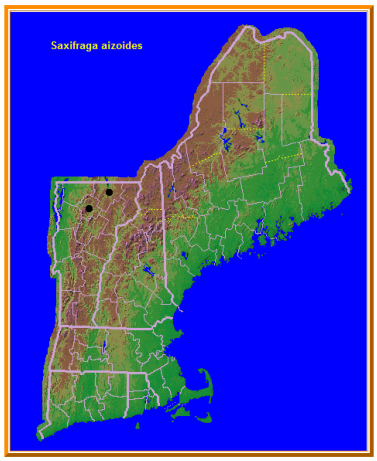
SASSAFRAS (Family: Lauraceae)

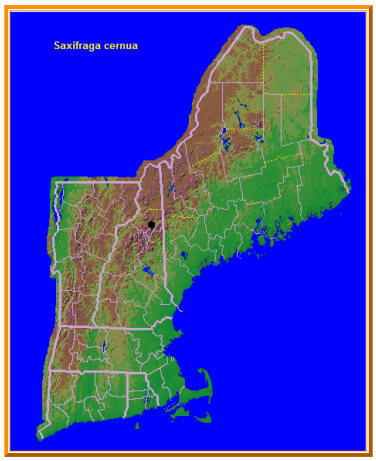
Sassafras albidum (Nuttall) Nees - **Sassafras**. 2n = 48.
Woods, thickets, woodland borders. [*S. albidum* var. *molle* (Rafinesque) Fernald]

SATUREJA (Family: Lamiaceae)

SATUREJA HORTENSIS Linnaeus - **Summer Savory**. 2n = (45), 48.
Waste places, fields, railroads, roadsides, gravelly banks. From Eurasia.







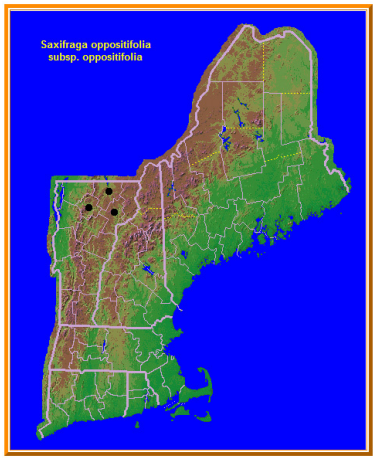
SAURURUS (Family: Saururaceae)

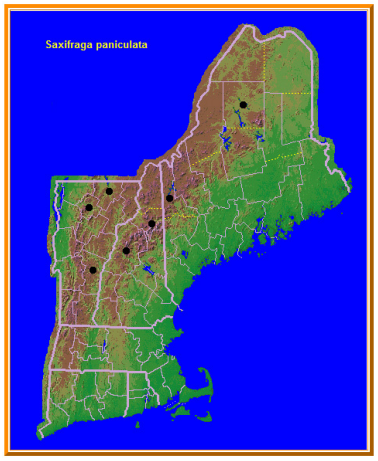
Saururus cernuus Hooker & Arnott - **Lizard's-tail**. 2n = 22.
Stream borders, shallow water, swamps, marshes.

SAXIFRAGA (Family: Saxifragaceae)

Saxifraga aizoides Linnaeus - **Yellow Mountain Saxifrage**. 2n = 26.
Calcareous cliffs.

Saxifraga cernua Linnaeus - **Nodding Saxifrage**. 2n = 24, 36, 48, 50, 52, 56, 60, 62, 64, 70, 72.
Wet ledges at high altitude.

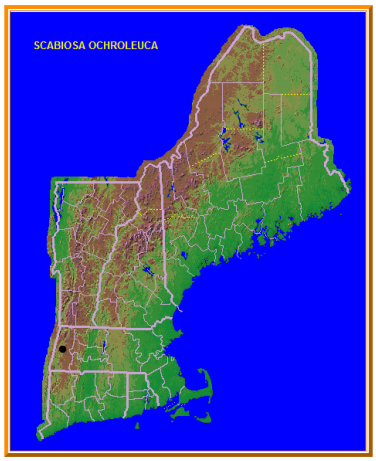


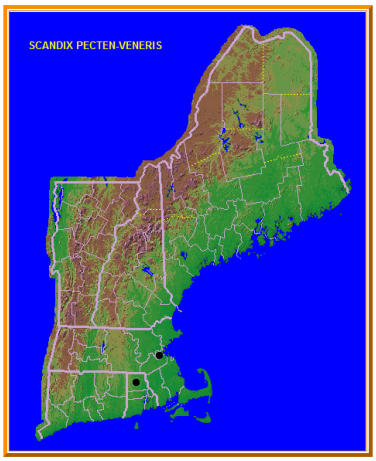


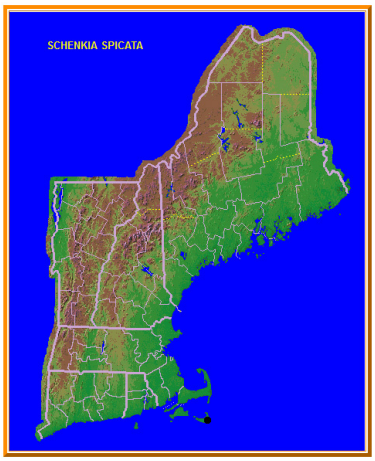
Saxifraga oppositifolia Linnaeus subsp. ***oppositifolia*** - **Purple Mountain Saxifrage**. 2n = 26, (39), (48), (52).
Calcareous cliffs.

Saxifraga paniculata Miller - **White Mountain Saxifrage**. 2n = 28.
Rocky ledges, often calcareous. [*S. aizoon* Jacquin var. *neogaea* Butters]

Saxifraga rivularis Linnaeus subsp. ***rivularis*** - **Alpine Brook Saxifrage**. 2n = (26), (48), 52, (56).
Wet, mossy, alpine areas.







SCABIOSA (Family: Caprifoliaceae)

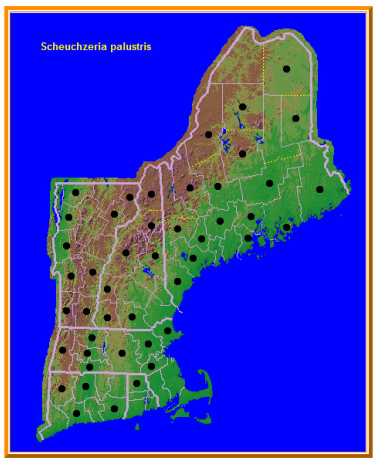
SCABIOSA OCHROLEUCA Linnaeus - **Cream Scabious**. 2n = 16, (24).
Waste places, gravel pits. From Eurasia.

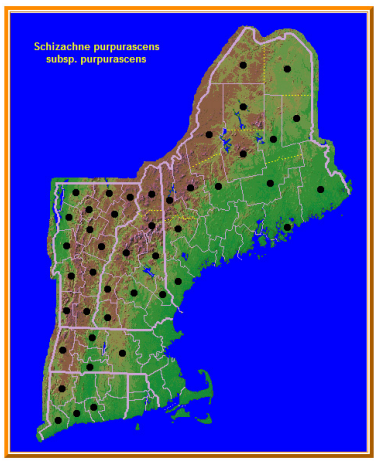
SCANDIX (Family: Apiaceae)

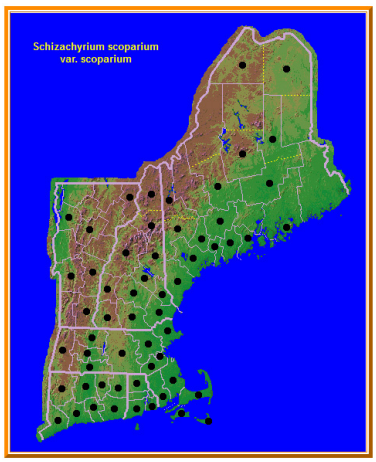
SCANDIX PECTEN-VENERIS Linnaeus - **Shepherd's-needle**. 2n = (16), 26, (28), (34).
Waste places. From Eurasia, northern Africa.

SCHENKIA (Family: Gentianaceae)

SCHENKIA SPICATA (Linnaeus) G. Mansion - . 2n = 22.
Salt marshes. From Mediterranean region, western Russia, southwestern Asia. [*CENTAURIUM SPICATUM* (Linnaeus) Fritsch]







SCHEUCHZERIA (Family: Scheuchzeriaceae)

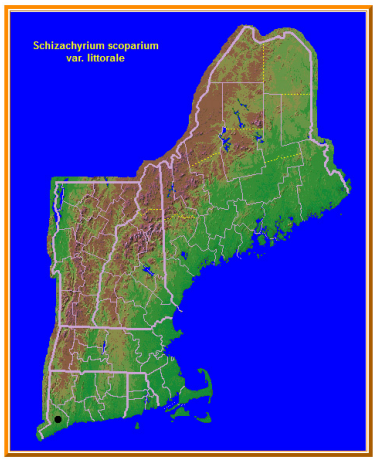
Scheuchzeria palustris Linnaeus - . 2n = 22.
Sphagnum bogs. [*S. palustris* var. *americana* Fernald]

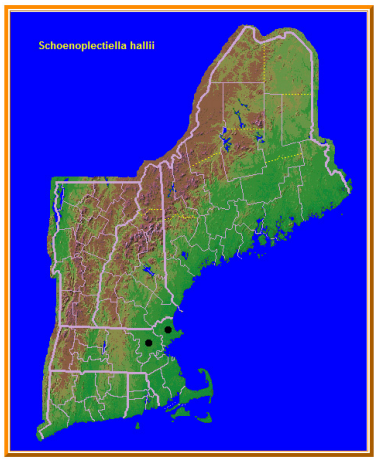
SCHIZACHNE (Family: Poaceae)

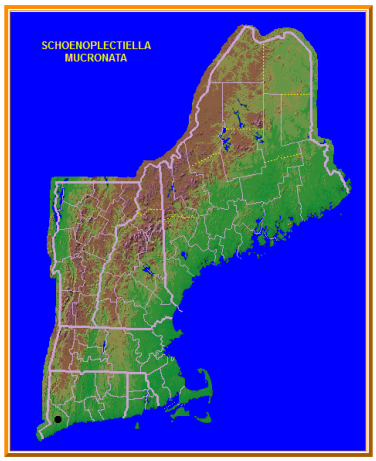
Schizachne purpurascens (Torrey) Swallen subsp. ***purpurascens*** - **False Melic**. 2n = 20.
Rich woods.

SCHIZACHYRIUM (Family: Poaceae)

Schizachyrium scoparium (Michaux) Nash var. ***scoparium*** - **Little Bluestem**. 2n = 40.
Dry soil, old fields, open woods. [*Andropogon scoparius* Michaux var. *scoparius*; *A. scoparius* var. *frequens* F.T. Hubbard; *A. scoparius* var. *septentrionalis* Fernald & Griscom]





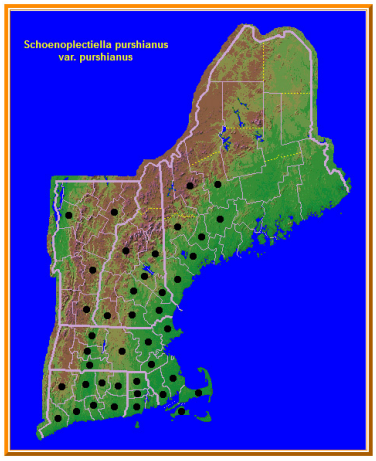


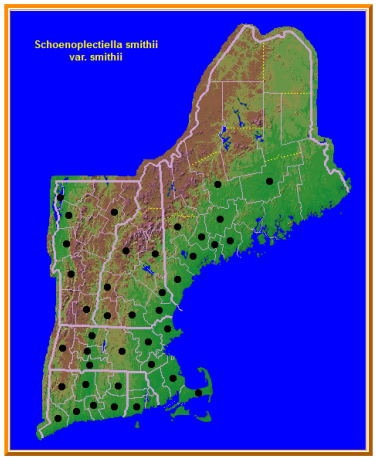
Schizachyrium scoparium (Michaux) Nash var. ***littorale*** (Nash) Gould - . 2n = ?
Upper borders of sea beaches, dunes. [*Andropogon littoralis* Nash; *A. scoparius* Michaux var. *ducis* Fernald & Griscom; *A. scoparius* var. *littoralis* (Nash) Hitchcock; *S. littorale* (Nash) E.P. Bicknell]

SCHOENOPLECTIELLA (Family: Cyperaceae)

Schoenoplectiella hallii (A. Gray) Lye - . 2n = 22.
Sandy or sphagnous pond shores. [*Schoenoplectus hallii* (A. Gray) S.G. Smith; *Scirpus hallii* A. Gray; *S. supinus* Linnaeus var. *hallii* (A. Gray) A. Gray]

SCHOENOPLECTIELLA MUCRONATA (Linnaeus) J. Jung & H.K. Choi - . 2n = (38), (40). (42), 44.
Pond shores. From Eurasia, Africa, Australia. [*SCHOENOPLECTUS MUCRONATUS* (Linnaeus) Palla; *SCIRPUS MUCRONATUS* Linnaeus]



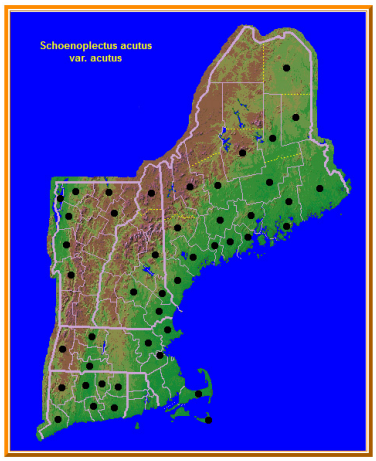


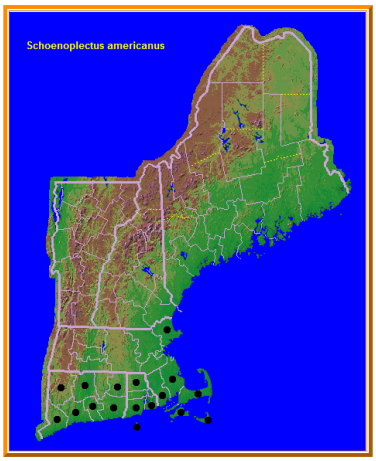
Schoenoplectiella purshianus (Fernald) Lye var. ***purshianus*** - . 2n = 36, 38.
Freshwater shores, usually in sandy soil. [*Schoenoplectus purshianus* (Fernald) M.T. Strong var. *purshianus*; *Scirpus purshianus* Fernald]

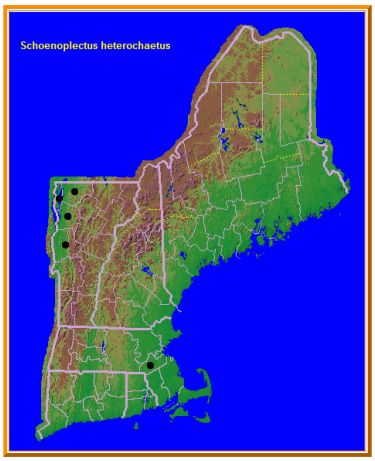
Schoenoplectiella purshianus (Fernald) Lye var. ***williamsii*** (Fernald) Hayasaka - . 2n = 38.
Sandy lake shores. [*Schoenoplectus purshianus* (Fernald) M.T. Strong var. *williamsii* S.G. Smith; *Scirpus debilis* Lamarck var. *williamsii* Fernald; *S. purshianus* Fernald forma *williamsii* (Fernald) Fernald]

Schoenoplectiella smithii (A. Gray) Hayasaka var. ***smithii*** - . 2n = (18), 40
Sandy or muddy shores. [*Schoenoplectus smithii* (A. Gray) Soják var. *smithii*; *Scirpus smithii* A. Gray]

Schoenoplectiella smithii (A. Gray) Hayasaka var. ***leviseta*** (Fassett) Hayasaka - . 2n = 40.
Coastal, freshwater tidal flats. [*Schoenoplectus smithii* (A. Gray) Soják var. *levisetus* (Fassett) S.G. Smith; *Scirpus smithii* A. Gray forma *levisetus* (Fassett) Fernald] Note: This taxon is **not mapped** since it is inadequately separated from the typical variety in collections.







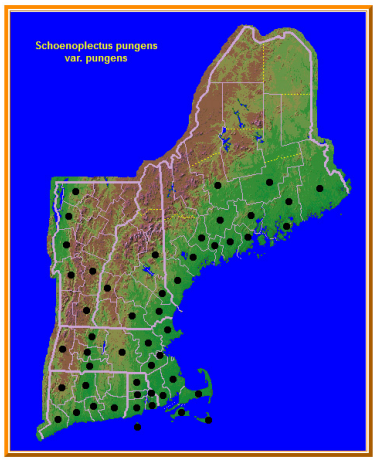
Schoenoplectiella smithii (A. Gray) Hayasaka var. ***setosa*** (Fernald) Hayasaka - . 2n = 40.
Freshwater, sandy or muddy shores. [*Schoenoplectus smithii* (A. Gray) Soják var. *setosus* (Fernald) S.G. Smith; *Scirpus smithii* A. Gray forma *setosus* Fernald] Note: This taxon is **not mapped** since it is inadequately separated from the typical variety in collections.

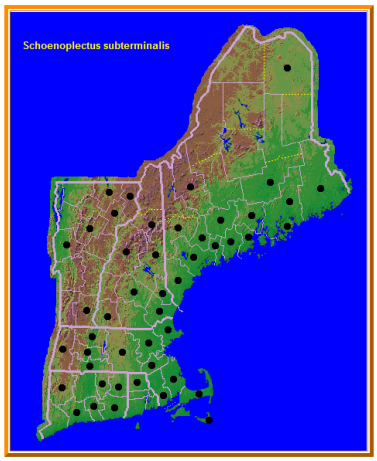
SCHOENOPLECTUS (Family: Cyperaceae)

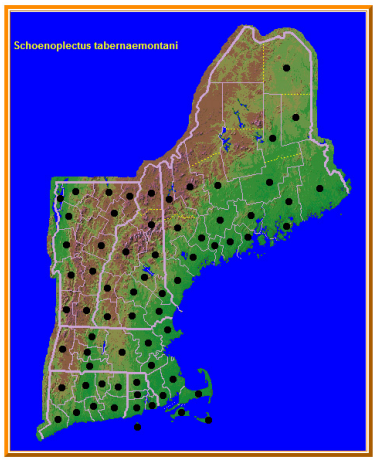
Schoenoplectus acutus (Muhlenberg *ex* Bigelow) Á. Löve & D. Löve var. ***acutus*** - **Hard-stem Bulrush**. 2n = 36, 38, 40, 42.
Shores and marshes. [*Scirpus acutus* Muhlenberg *ex* Bigelow]

Schoenoplectus americanus (Persoon) Volkart *ex* Schinz & R. Keller - **Sword-grass**. 2n = (38), (76), 78.
Shores and marshes. [*Scirpus americanus* Persoon; *S. olneyi* A. Gray]

Schoenoplectus heterochaetus (Chase) Soják - **Slender Bulrush**. 2n = 36, 38.
Calcareous or basic shores and marshes. [*Scirpus heterochaetus* Chase]



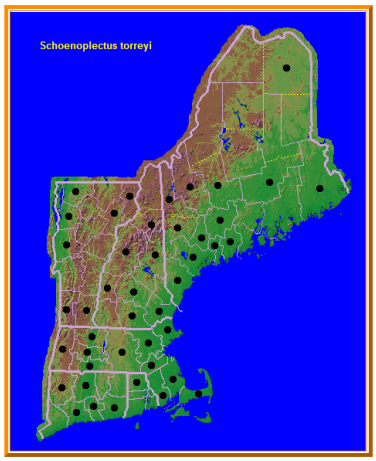


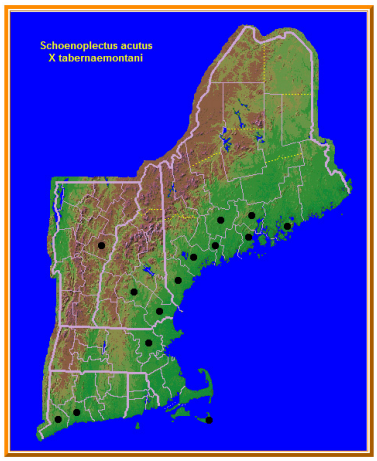


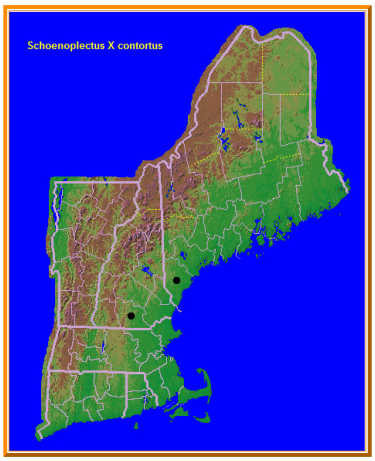
Schoenoplectus pungens (Vahl) Palla var. ***pungens*** - **Chair-maker's Bulrush**. 2n = 74, 78.
Shores and marshes. [*Scirpus pungens* Vahl]

Schoenoplectus subterminalis (Torrey) Soják - **Water Bulrush**. 2n = 74.
Shores and *Sphagnum* bogs. [*Scirpus subterminalis* Torrey]

Schoenoplectus tabernaemontani (C.C. Gmelin) Palla - **Great Bulrush**. 2n = (38), (40), 42.
In shallow water of shores and marshes. [*Scirpus validus* Vahl; *S. validus* Vahl var. *creber* Fernald]





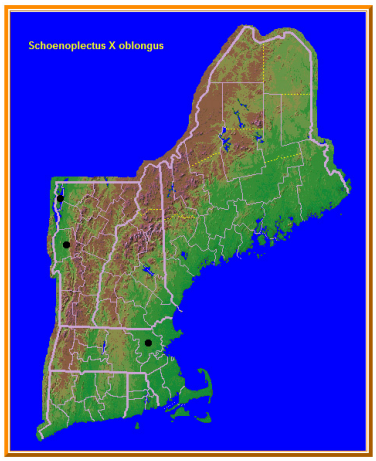


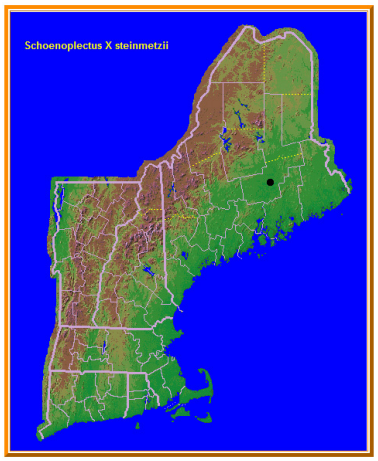
Schoenoplectus torreyi (Olney) Palla - . 2n = 42, 70.
Shores and marshes. [*Scirpus torreyi* Olney]

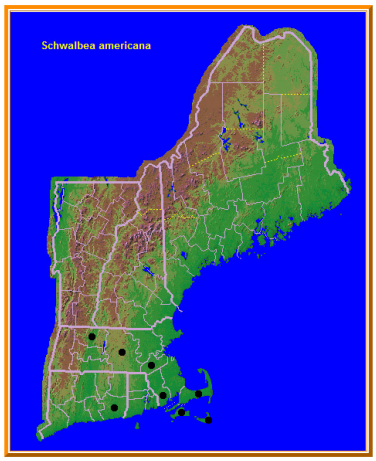
Schoenoplectus hybrids

Schoenoplectus acutus (Muhlenberg *ex* Bigelow) Á. Löve & D. Löve X ***S. tabernaemontani*** (C.C. Gmelin) Palla - .

Schoenoplectus X ***contortus*** (Eames) S.G. Smith - .
[*S. americanus* (Persoon) Volkart *ex* Schinz & R. Keller X *S. pungens* (Vahl) Palla]





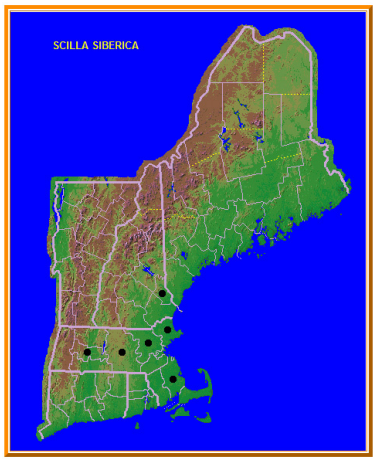


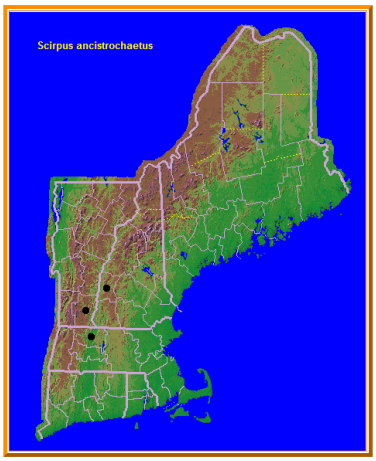
Schoenoplectus X ***oblongus*** (T. Koyama) Soják - .
[*S. acutus* (Muhlenberg *ex* Bigelow) Á. Löve & D. Löve X S. *heterochaetus* (Chase) Soják]

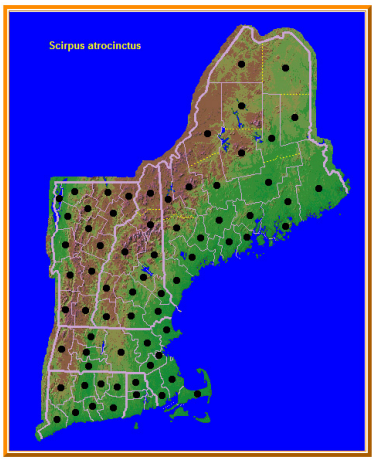
Schoenoplectus X ***steinmetzii*** (Fernald) S.G. Smith - .
[*S. heterochaetus* (Chase) Soják X *S. tabernaemontani* (C.C. Gmelin) Palla]

SCHWALBEA (Family: Orobanchaceae)

Schwalbea americana Linnaeus - **Chaffseed**. 2n = 32, 36.
Pine-oak woods, clearings, sandy fields.







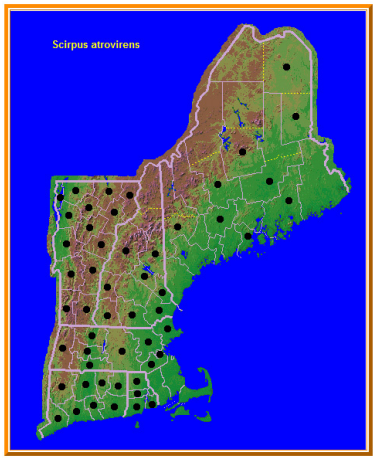
SCILLA (Family: Asparagaceae)

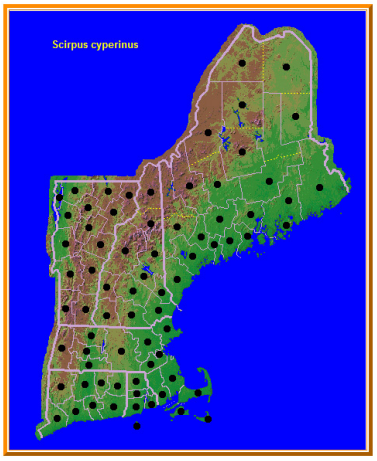
SCILLA SIBERICA Andrews - . 2n = 12, 18, (24), (30).
Roadsides, pastures. From Eurasia.

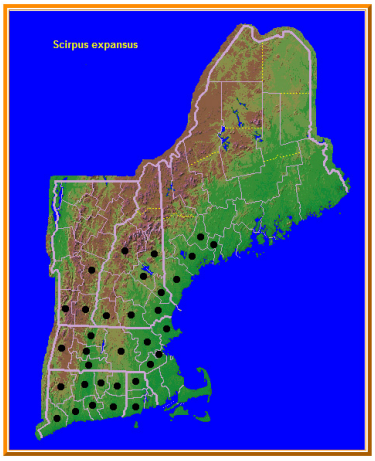
SCIRPUS (Family: Cyperaceae)

Scirpus ancistrochaetus Schuyler - . 2n = 54.
Wet depressions, bogs.

Scirpus atrocinctus Fernald - . 2n = 68.
Meadows and swamps.



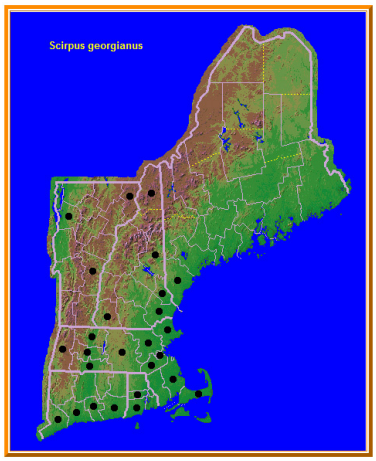


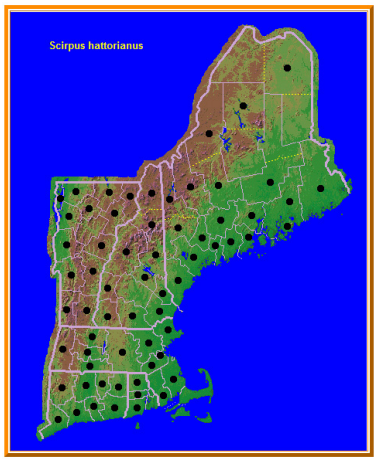


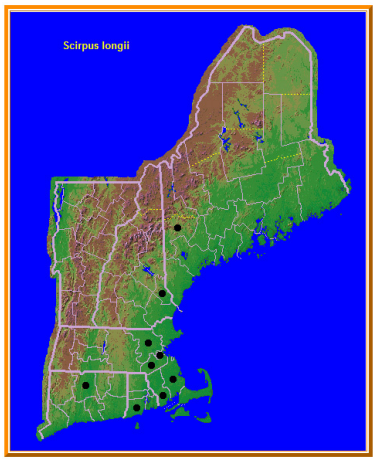
Scirpus atrovirens Willdenow - . 2n = (50), 56, (62).
Marshes, meadows, bogs.

Scirpus cyperinus (Linnaeus) Kunth - **Common Wool-grass**. 2n = (60), (64), 66, (68), (70).
Meadows, swamps and ditches. [*S. cyperinus* var. *pelius* Fernald; *S. rubricosus* Fernald]

Scirpus expansus Fernald - **Woodland Bulrush**. 2n = 64.
Marshes, meadows and springy spots.



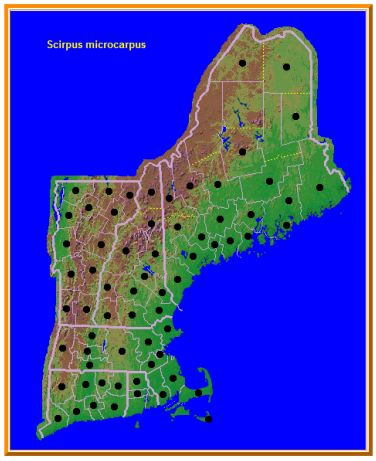


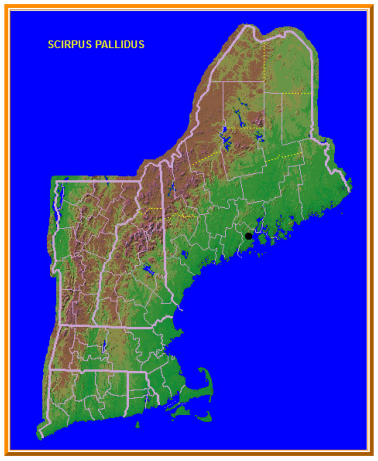


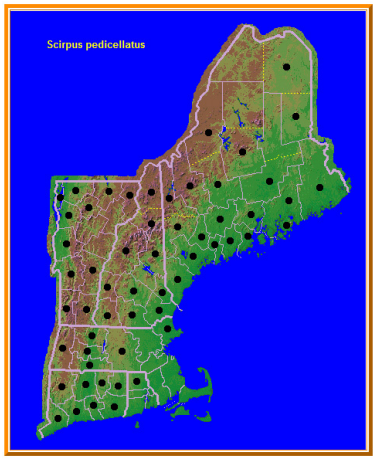
Scirpus georgianus R.M. Harper - . 2n = 48, 50, 52, 54.
Marshes, meadows and ditches. [*S. atrovirens* Willdenow var. *georgianus* (R.M. Harper) Fernald]

Scirpus hattorianus Makino - . 2n = 56.
Marshes, meadows and ditches. [*S. atrovirens* misapplied; *S. georgianus* misapplied]

Scirpus longii Fernald - . 2n = 66, 68.
Freshwater marshes, meadows.



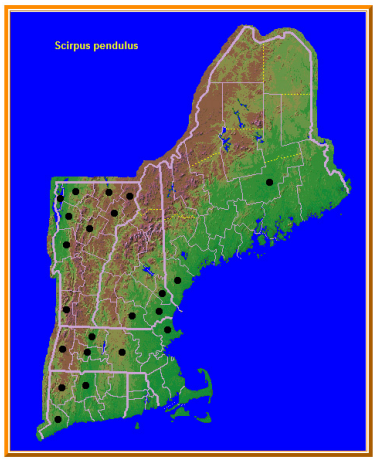


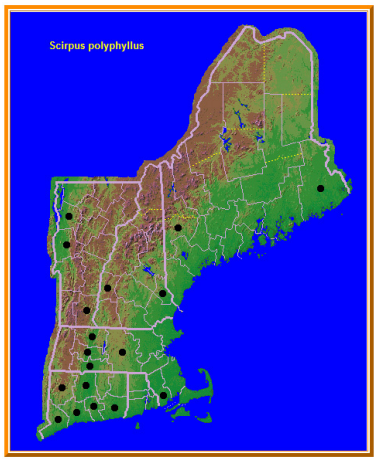


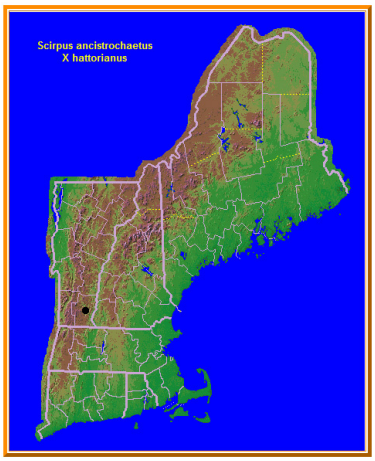
Scirpus microcarpus J. Presl & C. Presl - . 2n = 62, 64, 66.
Damp, open soil, marshes, meadows, often along rivers. [*S. rubrotinctus* Fernald]

SCIRPUS PALLIDUS (Britton) Fernald - . 2n = 56.
Marshes, ditches and other low ground. From farther west.

Scirpus pedicellatus Fernald - . 2n = 68, (136).
Alluvial thickets, shores. [*S. pedicellatus* var. *pullus* Fernald]





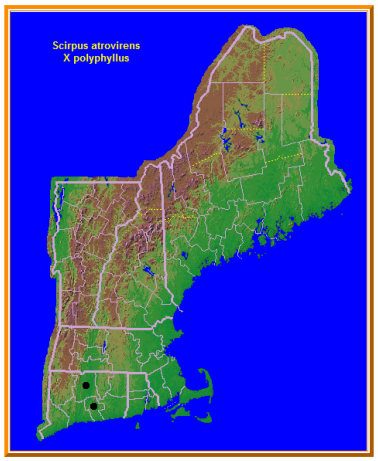


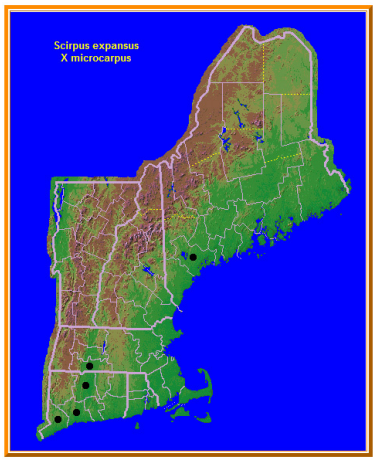
Scirpus pendulus Muhlenberg - . 2n = 40.
Meadows, marshes, ditches, often in calcareous soil. [*S. lineatus* misapplied]

Scirpus polyphyllus Vahl - . 2n = 58.
Swamps and woods along streams.

Scirpus hybrids

Scirpus ancistrochaetus Schuyler X ***S. hattorianus*** Makino - .

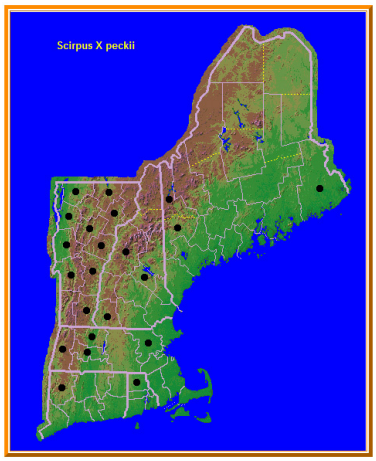


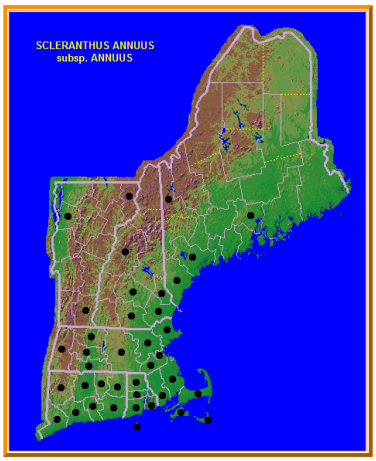


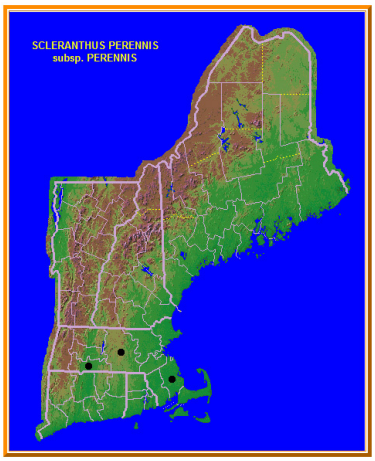
Scirpus atrocinctus Fernald X ***S. hattorianus*** Makino - .

Scirpus atrovirens Willdenow X ***S. polyphyllus*** Vahl - .

Scirpus expansus Fernald X ***S. microcarpus*** J. Presl & C. Presl - .





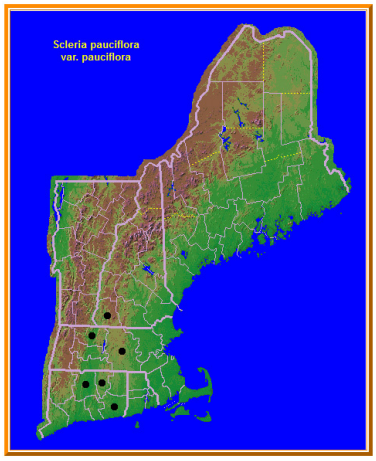


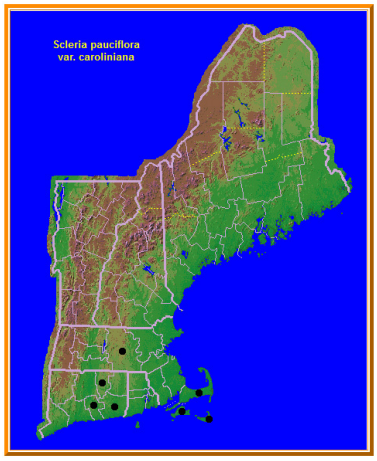
Scirpus X ***peckii*** Britton (*pro species*) - .
Note: This name is said to have been applied to various hybrids of *S. hattorianus* Makino and *S. atrocinctus* Fernald or *S. pedicellatus* Fernald.

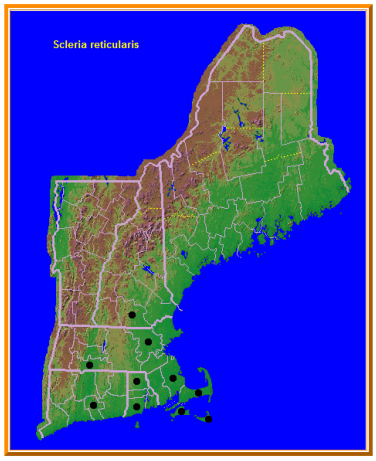
SCLERANTHUS (Family: Caryophyllaceae)

SCLERANTHUS ANNUUS Linnaeus subsp. ***ANNUUS*** - **Annual Knawel**. 2n = (22), 44.
Roadsides, waste places, dry, sandy soil. From Eurasia, northern Africa.

SCLERANTHUS PERENNIS Linnaeus subsp. ***PERENNIS*** - **Perennial Knawel**. 2n = 22, 44.
Roadsides, dry, sandy soil. From Eurasia.





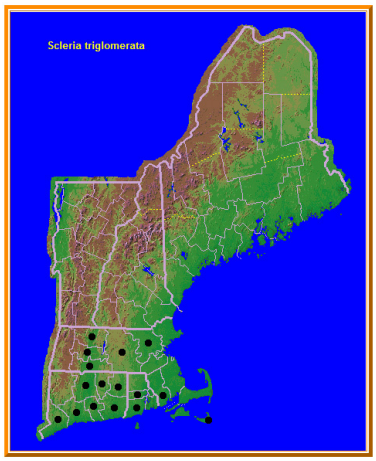


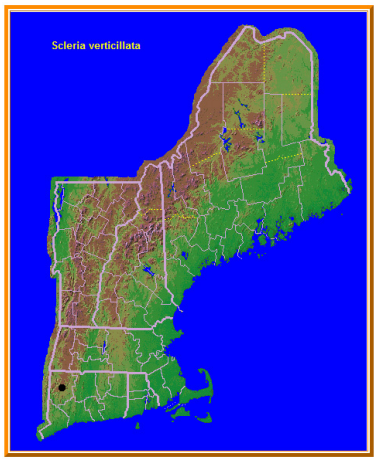
SCLERIA (Family: Cyperaceae)

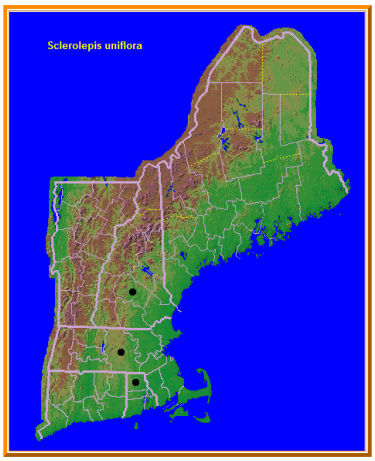
Scleria pauciflora Muhlenberg *ex* Willdenow var. ***pauciflora*** - . 2n = ?
Meadows and moist woods.

Scleria pauciflora Muhlenberg *ex* Willdenow var. ***caroliniana*** Alph. Wood - . 2n = ?
Moist grasslands.

Scleria reticularis Michaux - . 2n = ?
Sandy pond shores.





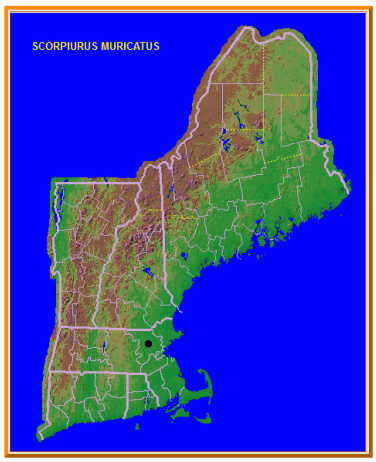


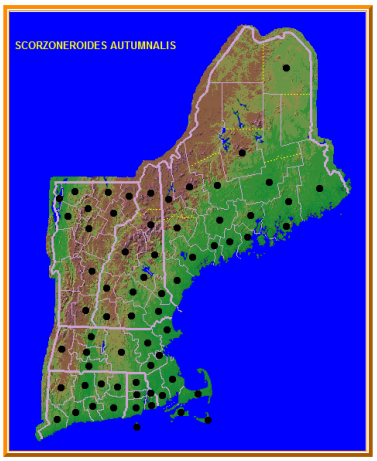
Scleria triglomerata Michaux - . 2n = ?
Meadows and dry, open woods. [*S. nitida* Willdenow *ex* Kunth]

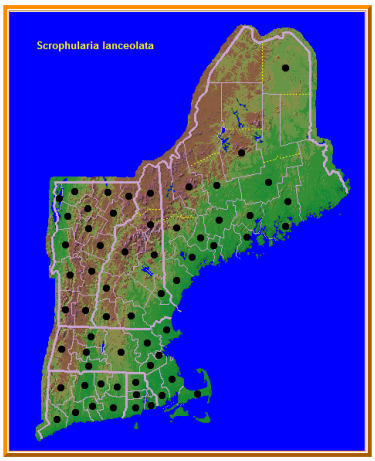
Scleria verticillata Muhlenberg *ex* Willdenow - . 2n = ?
Calcareous bogs and shores.

SCLEROLEPIS (Family: Asteraceae)

Sclerolepis uniflora (Walter) Britton, Sterns, & Poggenberg - **Pink Bogbutton**. 2n = 30, ca. 60.
Sandy or sphagnous shores or shallow water of ponds and lakes.







SCORPIURUS (Family: Fabaceae)

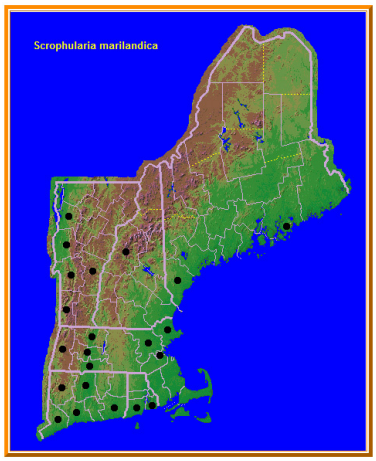
SCORPIURUS MURICATUS Linnaeus - **Caterpillar-plant**. 2n = 28.
Wool waste. From the Mediterranean.

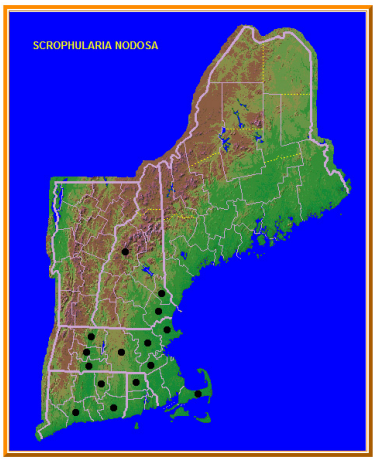
SCORZONEROIDES (Family: Asteraceae)

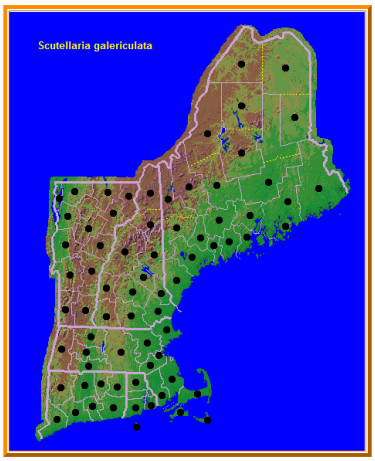
SCORZONEROIDES AUTUMNALIS (Linnaeus) Moench - **Fall Dandelion**. 2n = 12, (14), (16), (32).
Fields, meadows, roadsides. From Eurasia. [*LEONTODON AUTUMNALIS* Linnaeus var. *AUTUMNALIS*; *L. AUTUMNALIS* var. *PRATENSIS* Koch]

SCROPHULARIA (Family: Scrophulariaceae)

Scrophularia lanceolata Pursh - . 2n = 96.
Fields, thickets, woodland margins, open woods, roadsides.





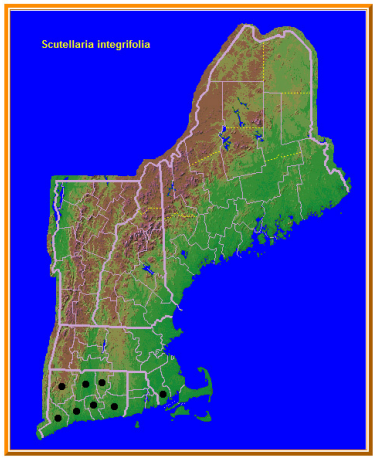


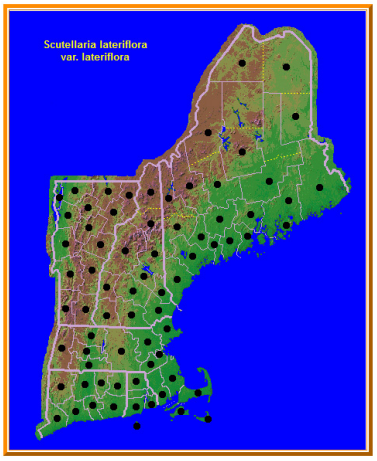
Scrophularia marilandica Linnaeus - **Carpenter's-square**. 2n = ca. 86.
Woods, thickets, roadsides, streambanks.

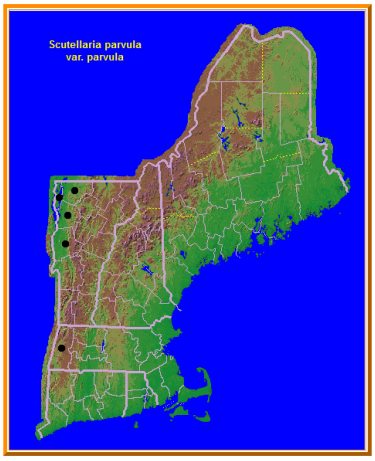
SCROPHULARIA NODOSA Linnaeus - **European Figwort**. 2n = 36.
Thickets, roadsides, waste places. From Eurasia.

SCUTELLARIA (Family: Lamiaceae)

Scutellaria galericulata Linnaeus - **Marsh Skullcap**. 2n = (28), 30, (31), 32.
Swamps, shores, meadows, marshes. [*S. epilobiifolia* A. Hamilton]



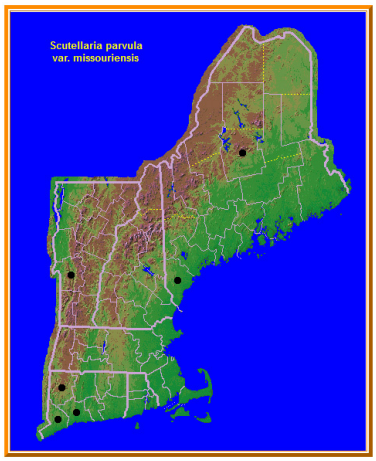


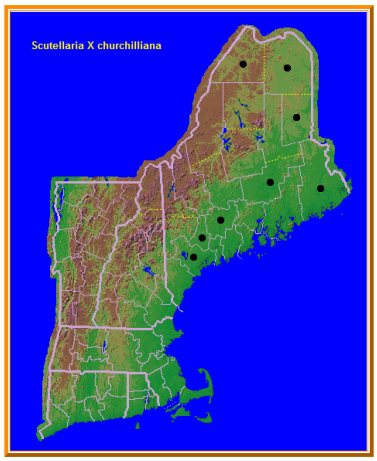


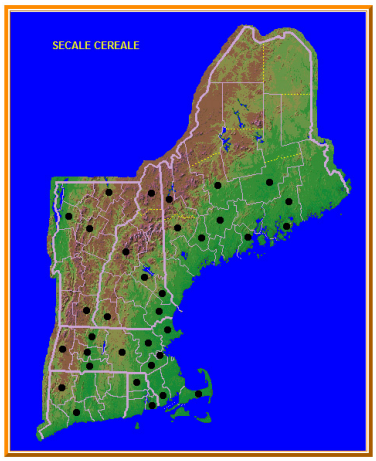
Scutellaria integrifolia Linnaeus - . 2n = 32.
Fields, meadows.

Scutellaria lateriflora Linnaeus var. ***lateriflora*** - **Mad-dog Skullcap**. 2n = 80, 88.
Wet woodlands, shores, meadows, alluvial thickets, marshes.

Scutellaria parvula Michaux var. ***parvula*** - . 2n = 20.
Rocky outcrops of shores and fields.







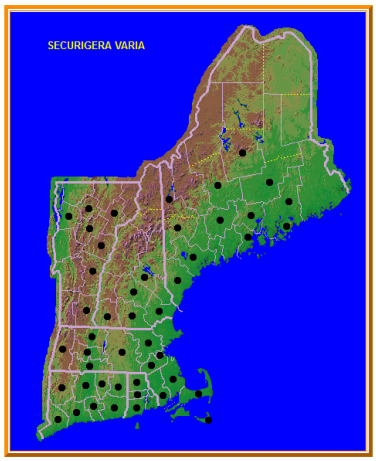
Scutellaria parvula Michaux var. ***missouriensis*** (Torrey) Goodman & C.A. Lawson - . 2n = 20.
Rocky outcrops of shores, fields, ridges, hills, and open woodlands. [*S. parvula* var. *leonardi* (Epling) Fernald]

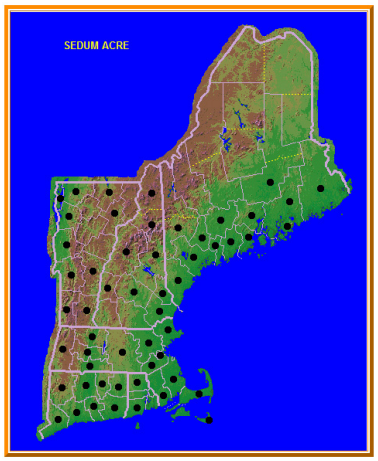
***Scutellaria* hybrid**

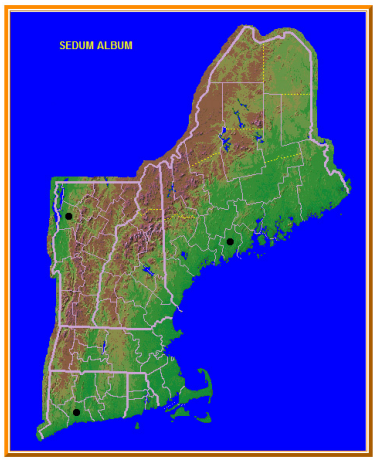
Scutellaria X ***churchilliana*** Fernald (*pro species*) - .
[*S. galericulata* Linnaeus X *S. lateriflora* Linnaeus]

SECALE (Family: Poaceae)

SECALE CEREALE Linnaeus - **Rye**. 2n = (7), 14, (16), (18), (21), (27), (28), (29).
Waste places, roadsides. From Eurasia.







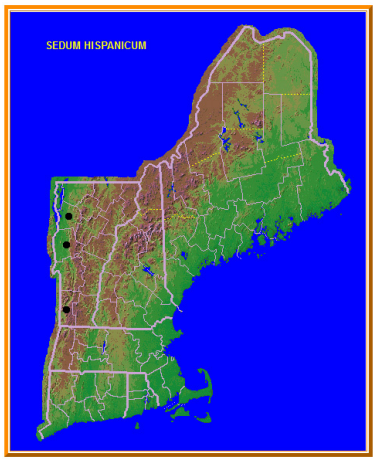
SECURIGERA (Family: Fabaceae)

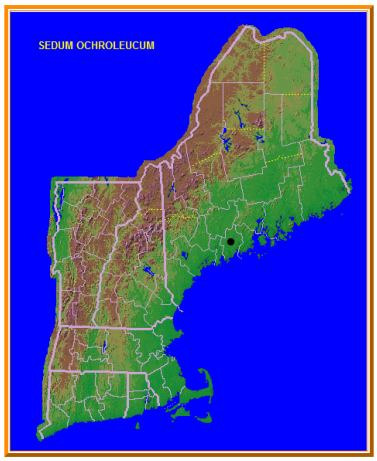
SECURIGERA VARIA (Linnaeus) Lassen - **Crown-vetch**. 2n = (16), 24.
Roadsides, fields, waste places. From Eurasia. [*CORONILLA VARIA* Linnaeus]

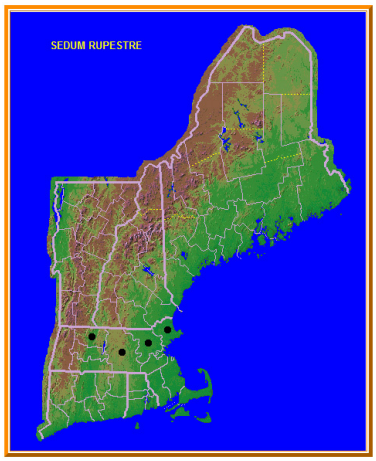
SEDUM (Family: Crassulaceae)

SEDUM ACRE Linnaeus - **Mossy Stonecrop**. 2n = (16), (24), 40, (48), (56), 60, 80, (100), (120).
Rock outcrops, rock walls, dry, open places. From Europe and Greenland.

SEDUM ALBUM Linnaeus - **White Stonecrop**. 2n = (18), 34, (36), (51), (64), 68, (85), (102), (136).
Rocky soil. From Europe.



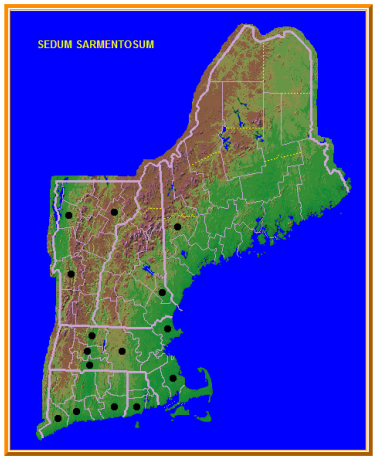


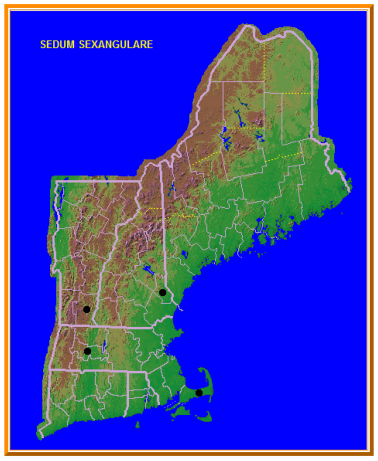


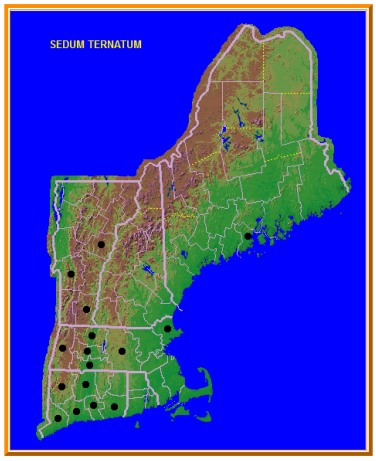
SEDUM HISPANICUM Linnaeus - **Spanish Stonecrop**. 2n = 14, (20), (28), (30), (40), (42).
Roadsides, rocky fields. From Eurasia.

SEDUM OCHROLEUCUM Chaix - . 2n = 34, 68, (51), (85), (102).
Roadsides, rocky fields, waste places. From Europe. [*S. ANOPETALUM* de Candolle]

SEDUM RUPESTRE Linnaeus - **Jenny's Stonecrop**. 2n = (56), (88), (102), (108), 112, (120), (122), (140), (153), (168).
Roadsides, waste places. From Europe. [*S. REFLEXUM* Linnaeus]



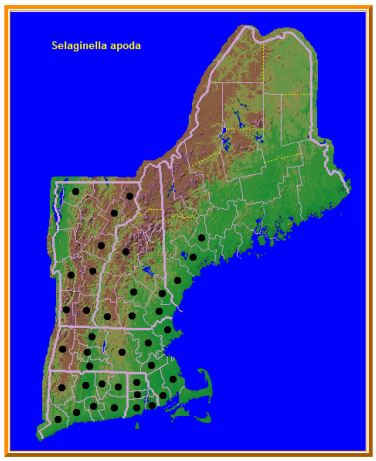


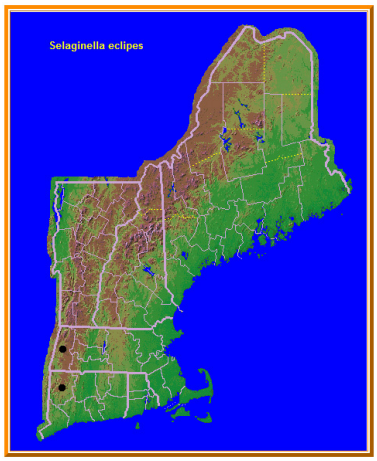


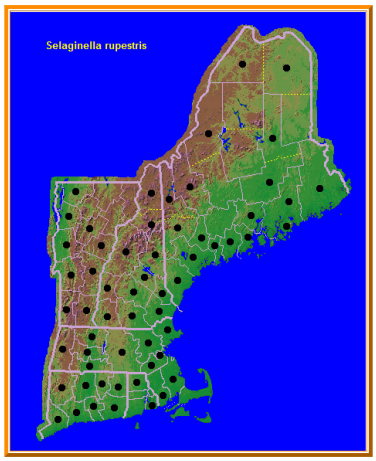
SEDUM SARMENTOSUM Bunge - **Stringy Stonecrop**. 2n = 58, 72.
Roadsides, waste places. From China.

SEDUM SEXANGULARE Linnaeus - **Tasteless Stonecrop**. 2n = (72), 74, (108), (111), (148), (185).
Roadsides, waste places. From Europe.

SEDUM TERNATUM Michaux - **Wild Stonecrop**. 2n = 16, 24, 32, 48.
Damp roadsides. From farther south or west.





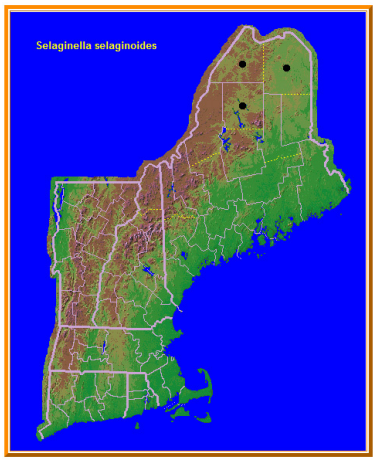


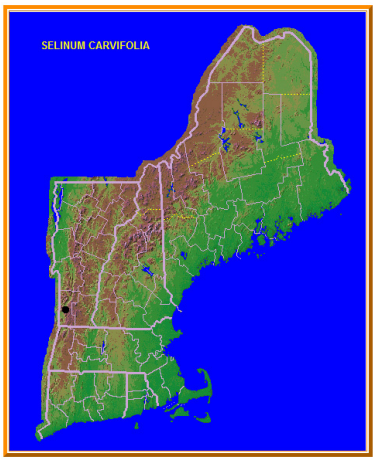
SELAGINELLA (Family: Selaginellaceae)

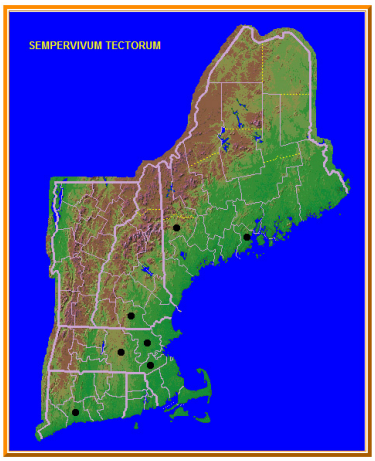
Selaginella apoda (Linnaeus) C. Morren - **Meadow Spikemoss**. 2n = 18.
Meadows, stream banks, wet rocks, often in circumneutral soils.

Selaginella eclipes W.R. Buck - . 2n = ?
Wet hillsides, stream banks.

Selaginella rupestris (Linnaeus) Spring - **Rock Spikemoss**. 2n = 18.
Exposed, dry rocks or packed sands.







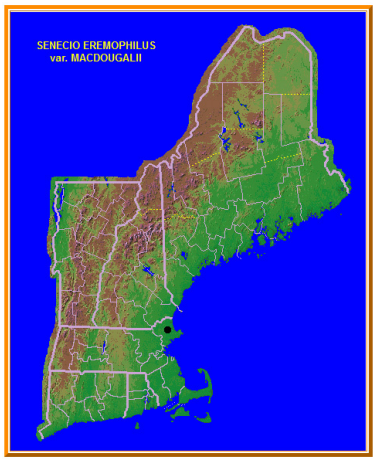
Selaginella selaginoides (Linnaeus) Schrank & Martius - **Northern Spikemoss**. 2n = 18.
Damp shores and banks, bogs, springs, often calcareous.

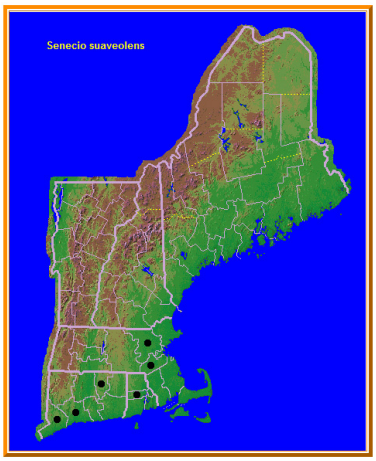
SELINUM (Family: Apiaceae)

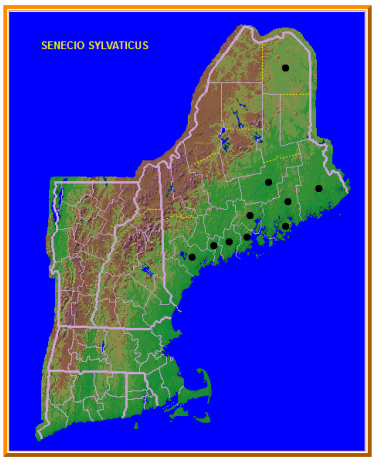
SELINUM CARVIFOLIA (Linnaeus) Linnaeus - . 2n = 22.
Damp roadsides, ditches. From Eurasia.

SEMPERVIVUM (Family: Crassulaceae)

SEMPERVIVUM TECTORUM Linnaeus - **Hens-and-chickens**. 2n = 36, 40, 72.
Rocky outcrops, ledges, stone walls, other rocky sites. From Europe.





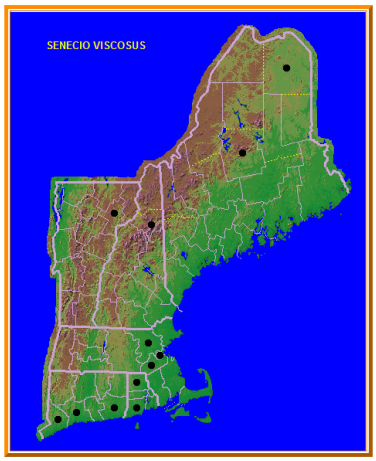


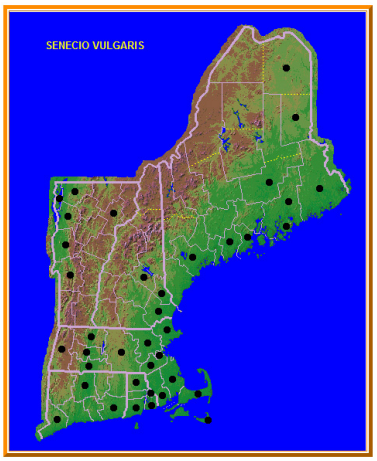
SENECIO (Family: Asteraceae)

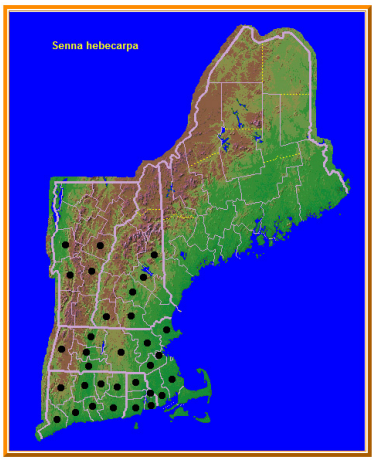
SENECIO EREMOPHILUS Richardson var. ***MACDOUGALII*** (A. Heller) Cronquist - . 2n = 40.
From farther west. [*S. MACDOUGALII* A. Heller]

Senecio suaveolens (Linnaeus) Elliott - . 2n = (36), 40.
Stream banks, thickets, rich woods. [*Cacalia suaveolens* Linnaeus; *Hasteola suaveolens* (Linnaeus) Pojarkova]

SENECIO SYLVATICUS Linnaeus - **Heath Groundsel**. 2n = 40.
Cliff crevices, sandy beaches, gravelly seashores, waste places, roadsides. From Europe.





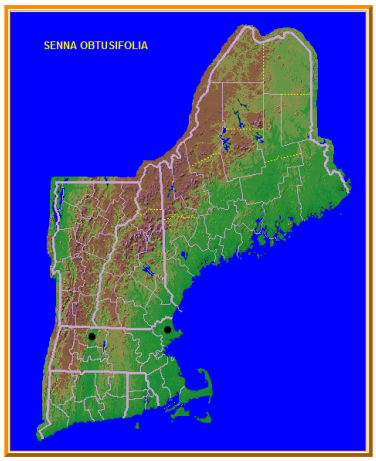


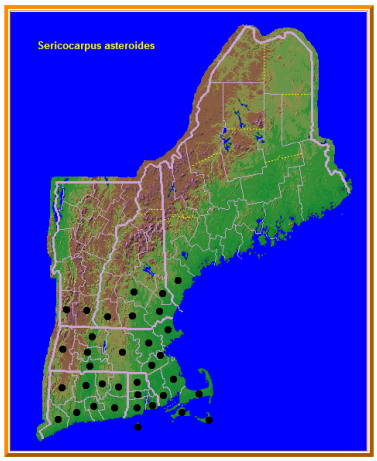
SENECIO VISCOSUS Linnaeus - . 2n = (20), (24), 40.
Waste places. From Eurasia.

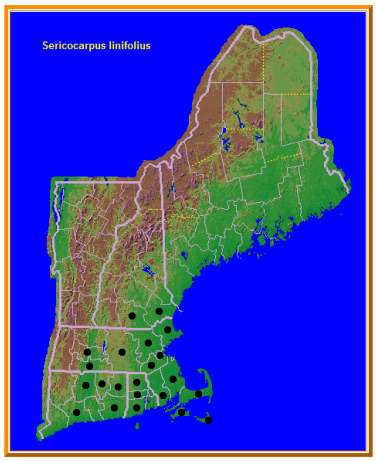
SENECIO VULGARIS Linnaeus - **Common Groundsel**. 2n = (20), (27), (38), 40.
Roadsides, waste places. From Eurasia, northern Africa.

SENNA (Family: Fabaceae)

Senna hebecarpa (Fernald) H.S. Irwin & Barneby - **Wild Senna**. 2n = ?
Streambanks, thickets, roadsides, fields. [*Cassia hebecarpa* Fernald; *C. marilandica* misapplied]





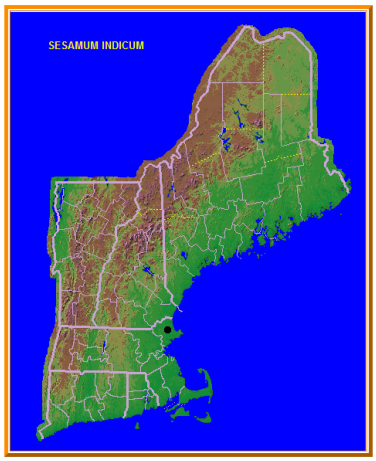


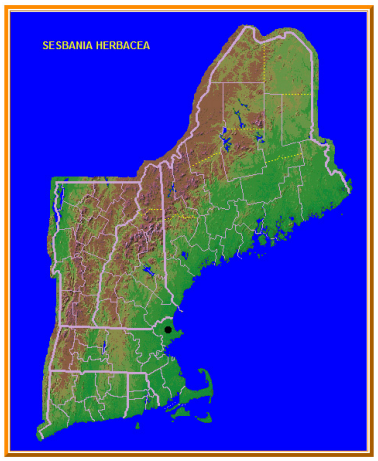
SENNA OBTUSIFOLIA (Linnaeus) H.S. Irwin & Barneby - **Java-bean**. 2n = (24), 26, 28, (52), (56).
Waste places. From farther south.

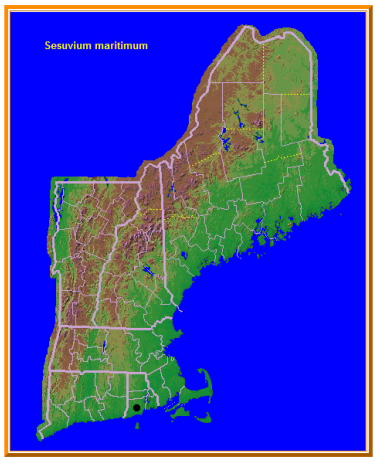
SERICOCARPUS (Family: Asteraceae)

Sericocarpus asteroides (Linnaeus) Britton, Sterns, & Poggenberg - **Toothed White-top Aster**. 2n = 18.
Dry woods, clearings, and fields, roadsides. [*Aster paternus* Cronquist]

Sericocarpus linifolius (Linnaeus) Britton, Sterns, & Poggenberg - . 2n = 18, (54).
Dry woods, clearings, and fields, roadsides. [*Aster solidagineus* Michaux]







SESAMUM (Family: Pedaliaceae)

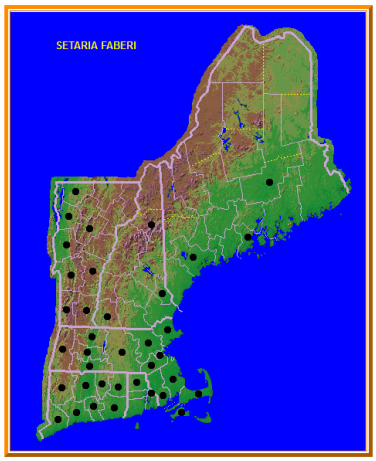
SESAMUM INDICUM Linnaeus - **Sesame**. 2n = (18), 26, (52).
Waste places. Long cultivated, possibly from Africa or India. [*S. ORIENTALE* Linnaeus]

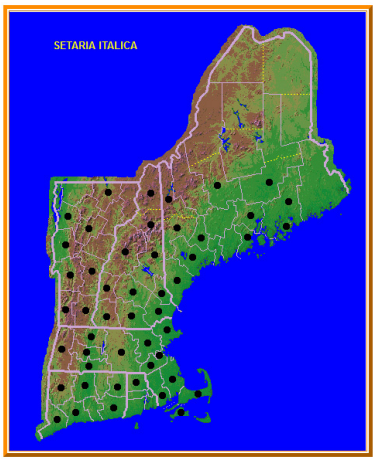
SESBANIA(Family: Fabaceae)

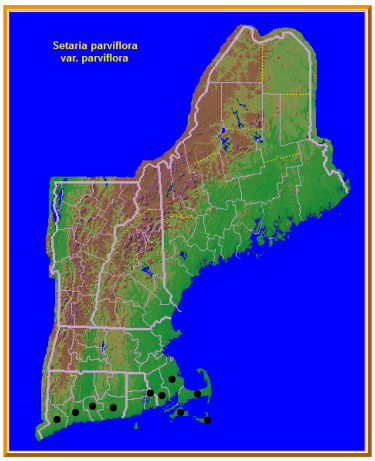
SESBANIA HERBACEA (Miller) McVaugh - . 2n = 12.
Waste places. From farther south. [*S. EXALTATA* (Rafinesque) Rydberg]

SESUVIUM (Family: Aizoaceae)

Sesuvium maritimum (Walter) Britton, Sterns, & Poggenberg - . 2n = ?
Pond shore behind coastal dune.





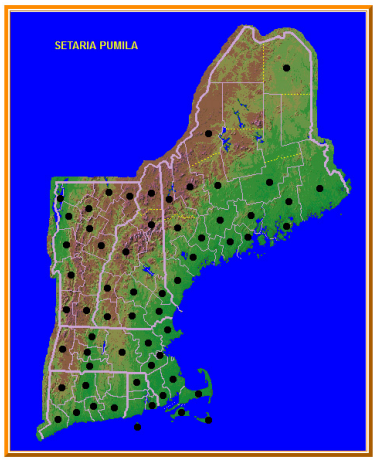


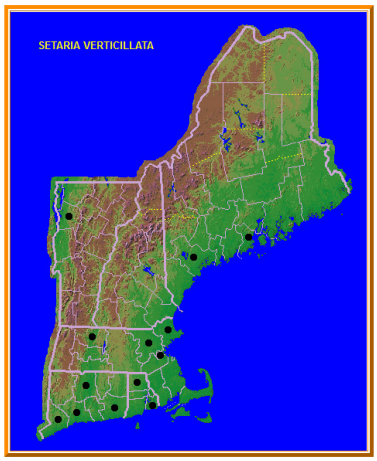
SETARIA (Family: Poaceae)

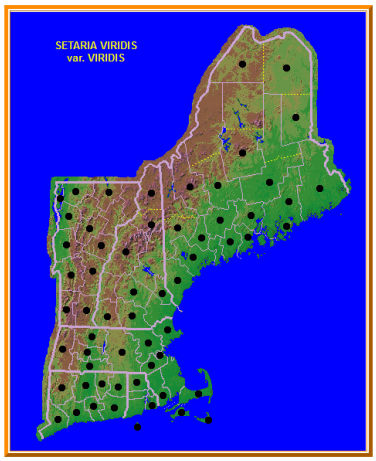
SETARIA FABERI R.A.W. Herrmann - . 2n = 36.
Roadsides, railroads, waste places, fields. From eastern Asia.

SETARIA ITALICA (Linnaeus) P. Beauvois - **Foxtail Millet**. 2n = 18, (36).
Cultivated land, waste places, roadsides. From the Old World.

Setaria parviflora (Poiret) Kerguélen var. ***parviflora*** - . 2n = 36, 72.
Salt marsh borders, hillsides, waste places. [*S. geniculata* misapplied]



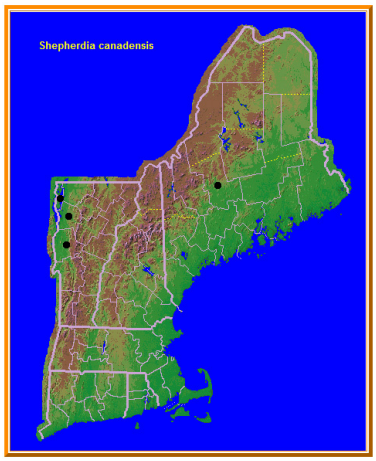


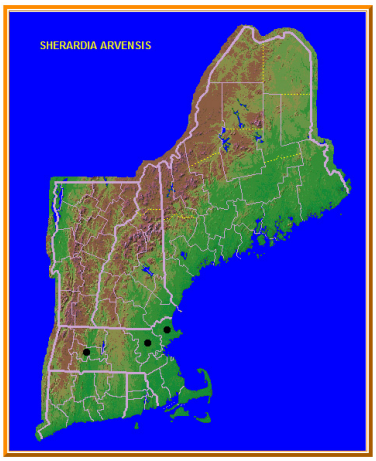


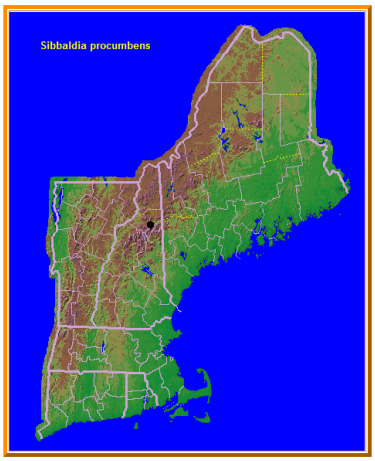
SETARIA PUMILA (Poiret) Roemer & Schultes - **Yellow Foxtail**. 2n = (18), 36, (54), (72).
Dry sandy soil, roadsides, waste places. From Europe. [*S. GLAUCA* misapplied; *S. LUTESCENS* (Stuntz) F.T. Hubbard]

SETARIA VERTICILLATA (Linnaeus) P. Beauvois - **Bur Foxtail**. 2n = 18, 36, 54, (72), (108).
Waste places. From Eurasia.

SETARIA VIRIDIS (Linnaeus) P. Beauvois var. ***VIRIDIS*** - **Green Foxtail**. 2n = 18, (36).
Fields, roadsides, railroads, waste places. From Europe. [*S. VIRIDIS* var. *BREVISETA* (Döll) Hitchcock; *S. VIRIDIS* var. *WEINMANNII* (Roemer & Schultes) Heynhold]







SHEPHERDIA (Family: Elaeagnaceae)

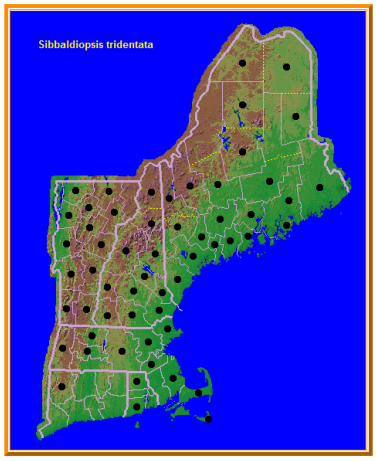
Shepherdia canadensis (Linnaeus) Nuttall - **Soapberry**. 2n = 22.
Calcareous ledges and rocky outcrops along shores of rivers and lakes.

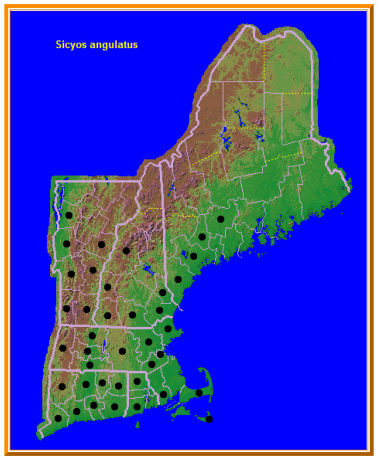
SHERARDIA (Family: Rubiaceae)

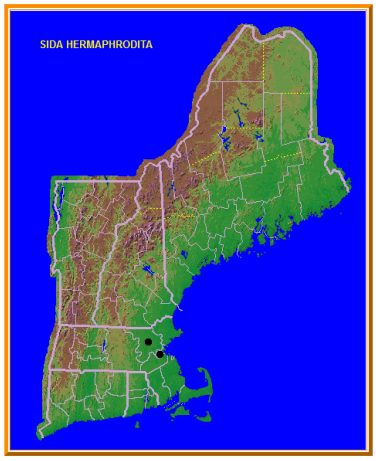
SHERARDIA ARVENSIS Linnaeus - **Field-Madder**. 2n = 22.
Fields, waste places. From Eurasia. [*GALIUM SHERARDIA* E.H.L. Krause]

SIBBALDIA (Family: Rosaceae)

Sibbaldia procumbens Linnaeus - . 2n = 14.
Headwalls of alpine ravines.







SIBBALDIOPSIS (Family: Rosaceae)

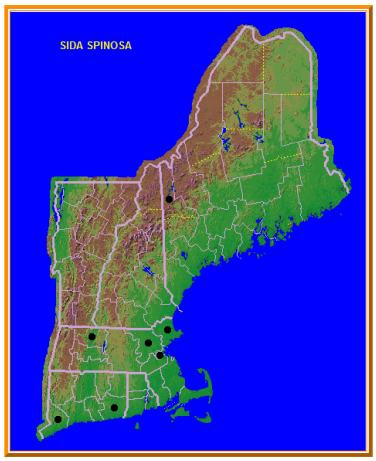
Sibbaldiopsis tridentata (Aiton) Rydberg - **Three-toothed Cinquefoil**. 2n = 28.
Dry, open, rocky, gravelly or sandy, sterile soil, clefts in ledges, often at high altitudes. [*Potentilla tridentata* Aiton]

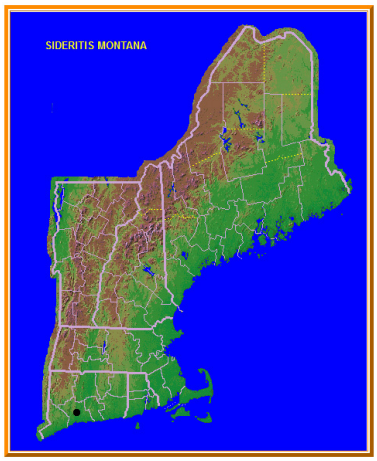
SICYOS (Family: Cucurbitaceae)

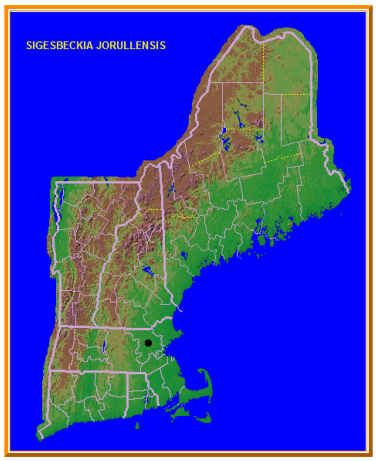
Sicyos angulatus Linnaeus - **Bur-cucumber**. 2n = 24.
Waste places. From eastern Mediterranean region, southwestern Asia.

SIDA (Family: Malvaceae)

SIDA HERMAPHRODITA (Linnaeus) Rusby - **Virginia Mallow**. 2n = ?
Waste places, fields. From farther south.







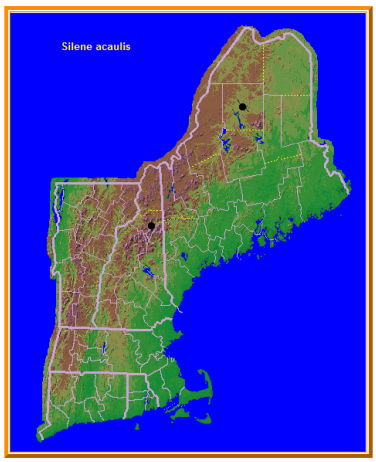
SIDA SPINOSA Linnaeus - **Prickly Mallow**. 2n = 14, 28.
Waste places, wool waste, fields. From tropical Americas, tropical Africa, tropical Asia.

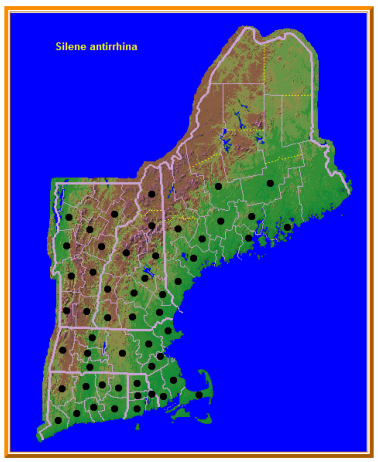
SIDERITIS (Family: Lamiaceae)

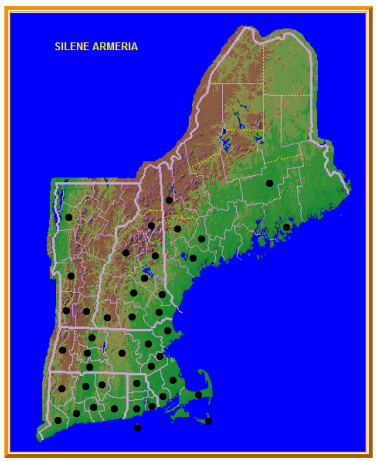
SIDERITIS MONTANA Linnaeus - . 2n = 16, (18), (28), 32.
Waste places, dry, open ground. From Eurasia, northwestern Africa.

SIGESBECKIA (Family: Asteraceae)

SIGESBECKIA JORULLENSIS Kunth - . 2n = 30, (ca. 32).
Waste places. From Mexico, Central America, South America.





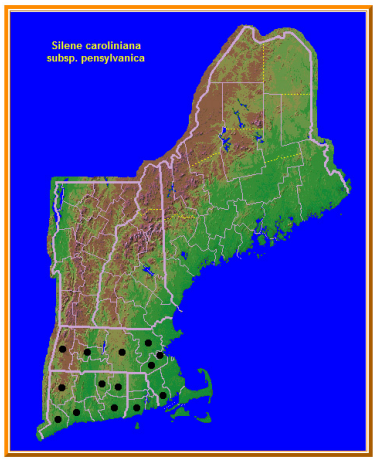


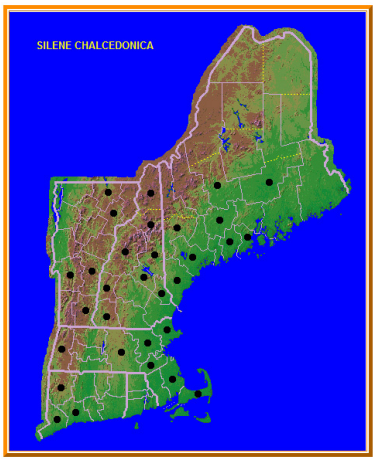
SILENE (Family: Caryophyllaceae)

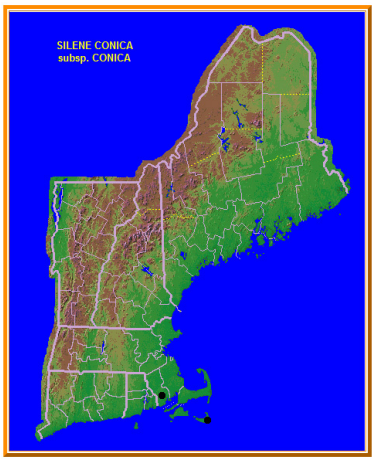
Silene acaulis (Linnaeus) Jacquin - **Moss Campion**. 2n = (12), 24.
Alpine areas. [*S. acaulis* var. *exscapa* (Allioni) F.N. Williams]

Silene antirrhina Linnaeus - **Sleepy Catchfly**. 2n = 24.
Dry, sandy or rocky soil, railroads, fields, waste places.

SILENE ARMERIA Linnaeus - **Garden Catchfly**. 2n = 24.
Waste places, roadsides. From Eurasia. [*ATOCION ARMERIA* (Linnaeus) Rafinesque]



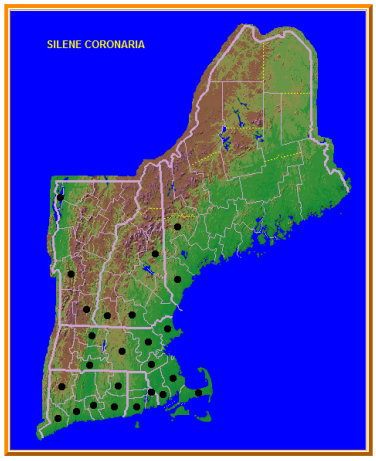


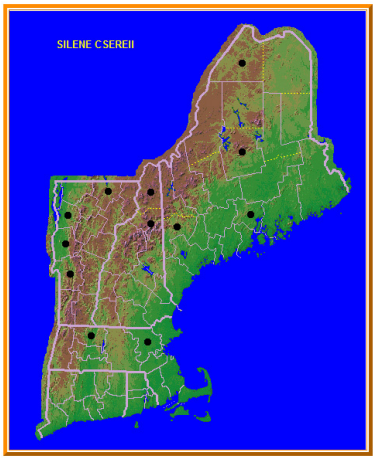


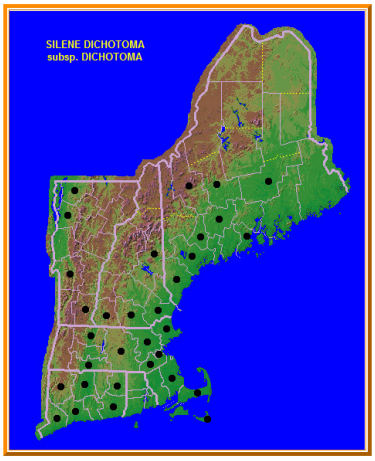
Silene caroliniana Walter subsp. ***pensylvanica*** (Michaux) R.T. Clausen - **Wild Pink**. 2n = 48.
Dry, often rocky, mainly deciduous woods and clearings.

SILENE CHALCEDONICA (Linnaeus) E.H.L. Krause - **Maltese-cross**. 2n = (18), 24, (48).
Roadsides, near habitations, waste places, open woods. From Eurasia. [*LYCHNIS CHALCEDONICA* Linnaeus]

SILENE CONICA Linnaeus subsp. ***CONICA*** - **Sand Catchfly**. 2n = (18), 20, (24).
Sandy fields and roadsides. From Eurasia.



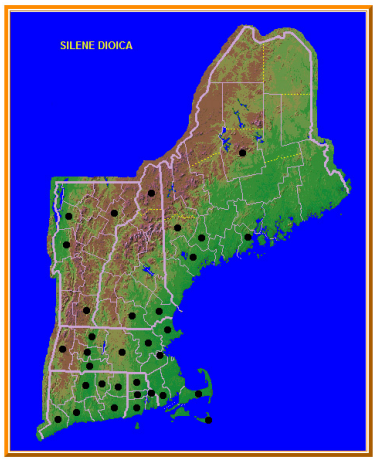


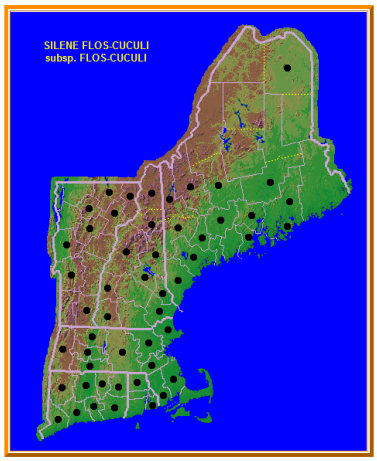


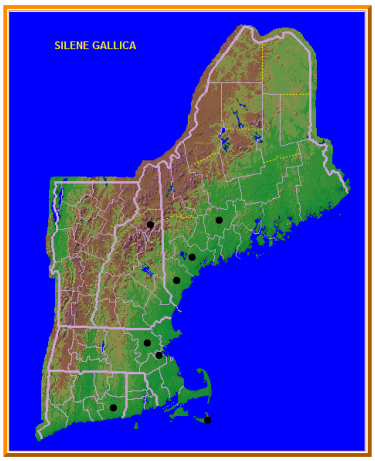
SILENE CORONARIA (Linnaeus) Clairville - **Mullein Pink**. 2n = 24.
Waste places, roadsides, fields. From Europe. [*LYCHNIS CORONARIA* (Linnaeus) Desrousseaux]

SILENE CSEREII Baumgarten - **Balkan Catchfly**. 2n = 24.
Waste places, roadsides, railroads. From Europe.

SILENE DICHOTOMA Ehrhart subsp. ***DICHOTOMA*** - **Forked Catchfly**. 2n = 24, (48).
Fields, roadsides, waste places. From Europe.



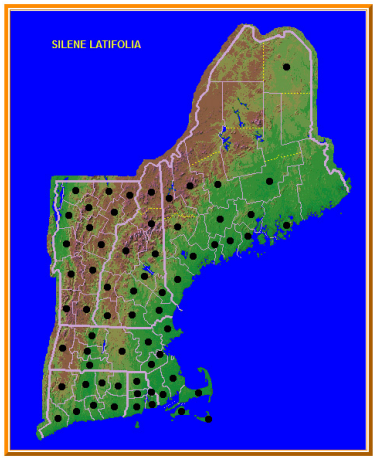


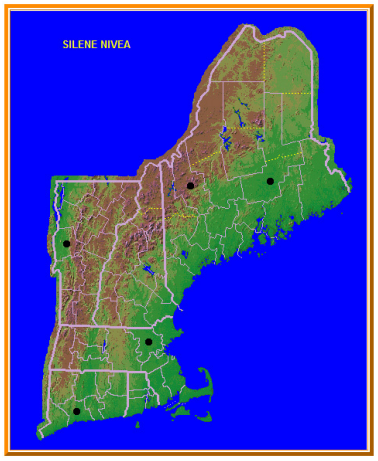


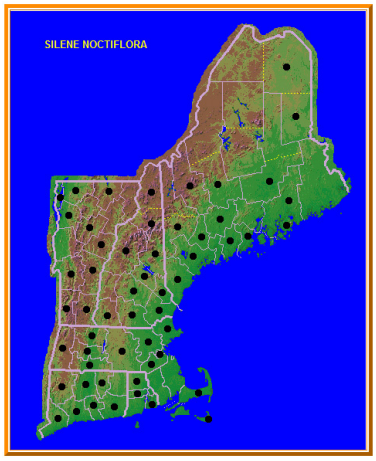
SILENE DIOICA (Linnaeus) Clairville - **Red Campion**. 2n = 24.
Fields, roadsides, waste places. From Europe. [*LYCHNIS DIOICA* Linnaeus]

SILENE FLOS-CUCULI (Linnaeus) Clairville subsp. ***FLOS-CUCULI*** - **Ragged Robin**. 2n = 24.
Wet fields, meadows, roadside ditches. From Europe. [*LYCHNIS FLOS-CUCULI* Linnaeus]

SILENE GALLICA Linnaeus - **French Catchfly**. 2n = 24.
Waste places, roadsides. From Europe.



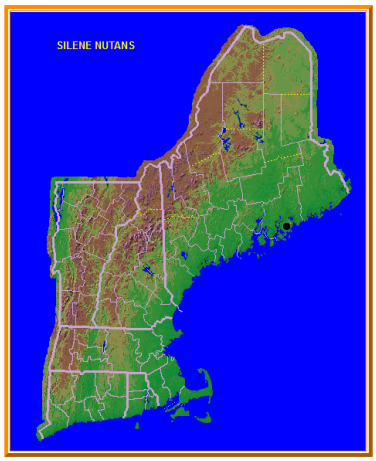


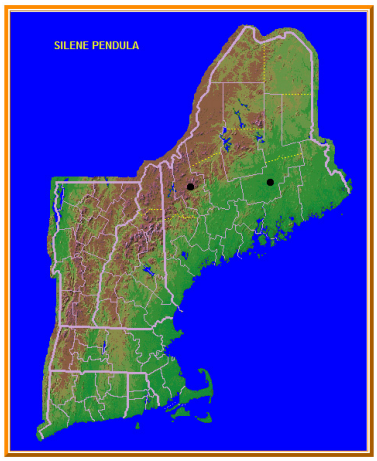


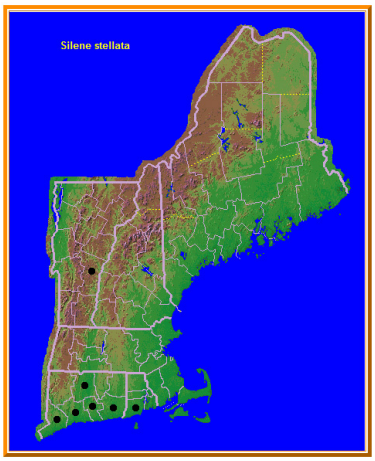
SILENE LATIFOLIA Poiret - **White Campion**. 2n = 24, (48).
Waste places, roadsides, field borders. From Eurasia. [*S. LATIFOLIA* subsp. *ALBA* (Miller) Greuter & Burdet; *S. PRATENSIS* (Rafinesque) Grenier & Godron; *LYCHNIS ALBA* Miller]

SILENE NIVEA (Nuttall) Muhlenberg *ex* Otth - **Snowy Campion**. 2n = 48.
Rich, shaded riverbanks. From farther west and south.

SILENE NOCTIFLORA Linnaeus - **Night-flowering Catchfly**. 2n = 24.
Arable land, waste places. From Europe.



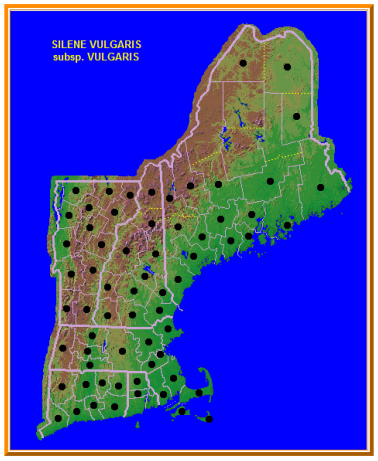


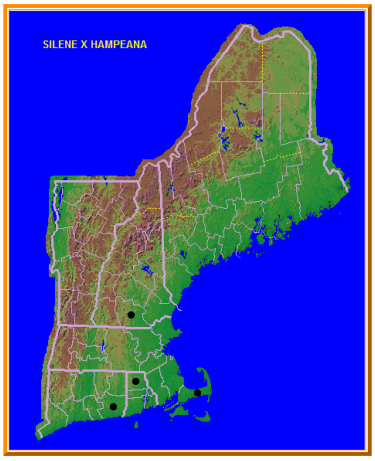


SILENE NUTANS Linnaeus - **Nottingham Catchfly**. 2n = 24, (28).
Roadsides. From Eurasia.

SILENE PENDULA Linnaeus - **Nodding Catchfly**. 2n = 24.
Roadsides, fields. From Europe.

Silene stellata (Linnaeus) W.T. Aiton - **Starry Campion**. 2n = (34), 48.
Dry, open woods.



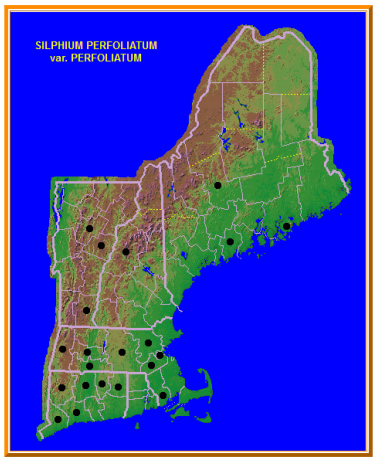


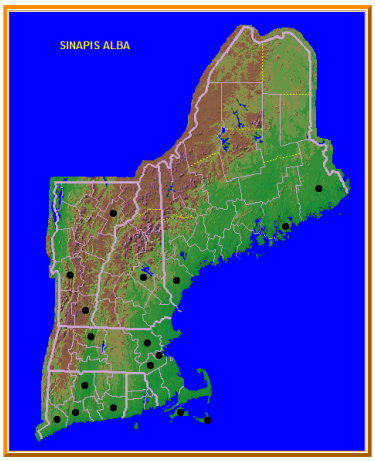
SILENE VISCARIA (Linnaeus) Jessen subsp. ***VISCARIA*** - **German Catchfly**. 2n = 24.
Roadsides, waste places, thickets, fields. From Europe. [*LYCHNIS VISCARIA* Linnaeus; *VISCARIA VULGARIS* Bernhardi]

SILENE VULGARIS (Moench) Garcke subsp. ***VULGARIS*** - **Bladder Campion**. 2n = (12), 24, (48).
Waste places, roadsides, field borders. From Europe. [*S. CUCUBALUS* Wibel; *S. LATIFOLIA* (Miller) Britten & Rendle -- invalid name]

Silene hybrid

SILENE X ***HAMPEANA*** Meusel & K. Werner - .
[*S. DIOICA* (Linnaeus) Clairville X *S. LATIFOLIA* Poiret]





SILPHIUM (Family: Asteraceae)

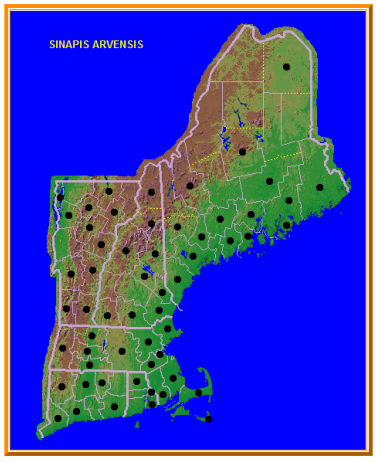
SILPHIUM PERFOLIATUM Linnaeus var. ***PERFOLIATUM*** - **Cup-plant**. 2n = 14, (16).
Moist thickets, low, open woods, moist roadsides, waste places. From farther west and south.

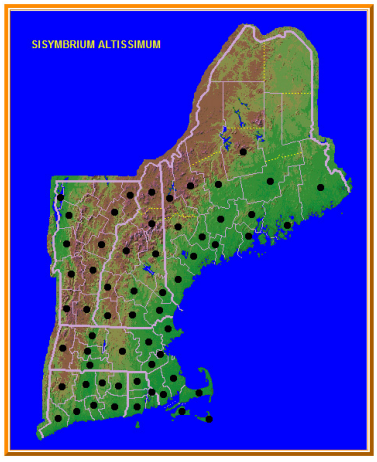
SILYBUM (Family: Asteraceae)

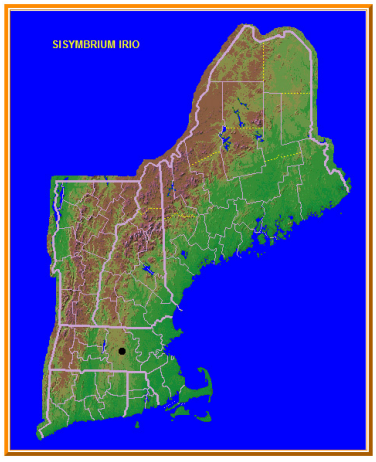
SILYBUM MARIANUM (Linnaeus) Gaertner - **Milk Thistle**. 2n = 34.
Waste places. From Eurasia, northern Africa.

SINAPIS (Family: Brassicaceae)

SINAPIS ALBA Linnaeus - **White Mustard**. 2n = 24.
Roadsides, waste places, railroads. From Eurasia. [*BRASSICA ALBA* (Linnaeus) Rabenhorst; *B. HIRTA* Moench]





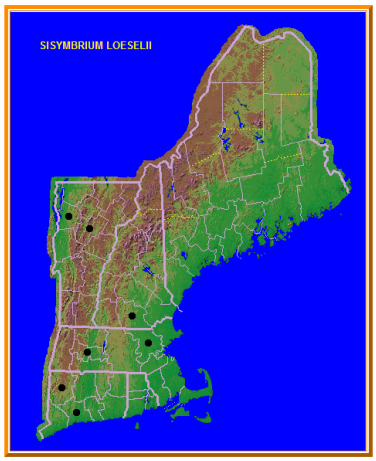


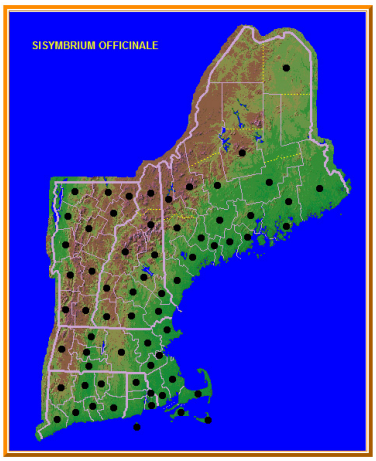
SINAPIS ARVENSIS Linnaeus - **Charlock**. 2n = (16), 18.
Waste places, fields, roadsides. From Eurasia. [*BRASSICA KABER* (de Candolle) L.C. Wheeler; *B. KABER* var. *PINNATIFIDA* (Stokes) L.C. Wheeler; *B. KABER* var. *SCHKUHRIANA* (Reichenbach) L.C. Wheeler]

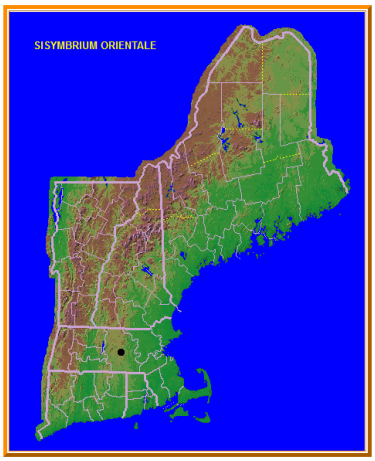
SISYMBRIUM (Family: Brassicaceae)

SISYMBRIUM ALTISSIMUM Linnaeus - **Tumble-mustard**. 2n = 14.
Waste places, fields, roadsides. From Eurasia, northwestern Africa.

SISYMBRIUM IRIO Linnaeus - **London Rocket**. 2n = 14, (16), (21), (28), (42), (56).
Roadsides, railroads, waste places. From Eurasia, northern Africa.



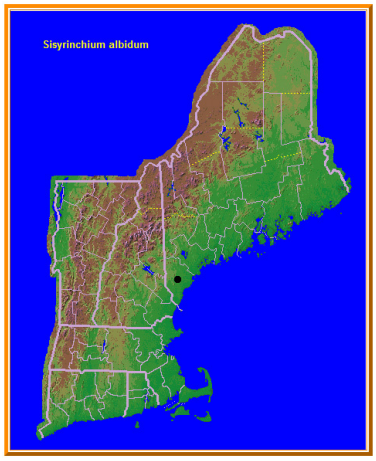


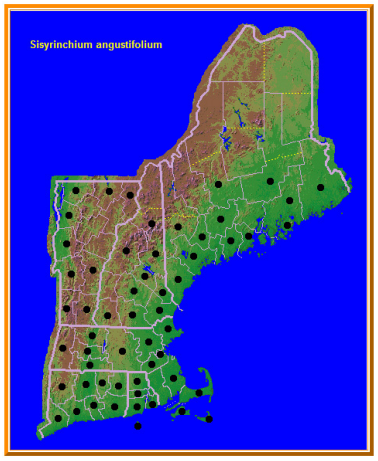


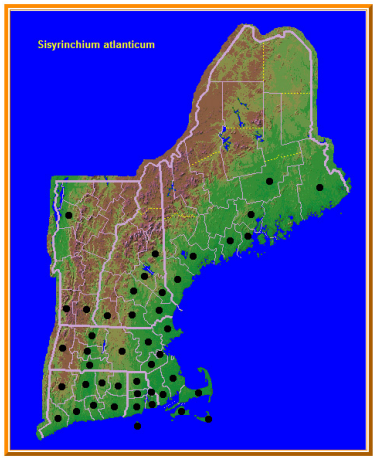
SISYMBRIUM LOESELII Linnaeus - **False London Rocket**. 2n = 14.
Waste places, fields, roadsides. From Eurasia.

SISYMBRIUM OFFICINALE (Linnaeus) Scopoli - **Hedge-mustard**. 2n = 14.
Waste places, roadsides, fields. From Eurasia, northern Africa. [*S. OFFICINALE* var. *LEIOCARPUM* de Candolle]

SISYMBRIUM ORIENTALE Linnaeus - **Indian Hedge-mustard**. 2n = 14.
Waste places, roadsides. From Eurasia, northern Africa.





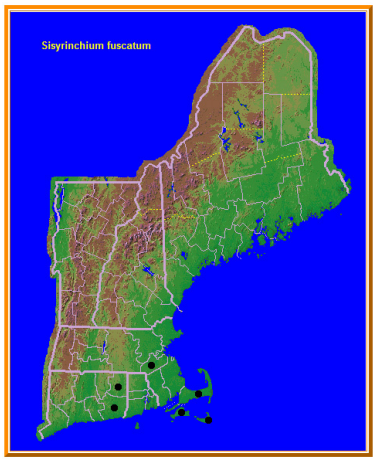


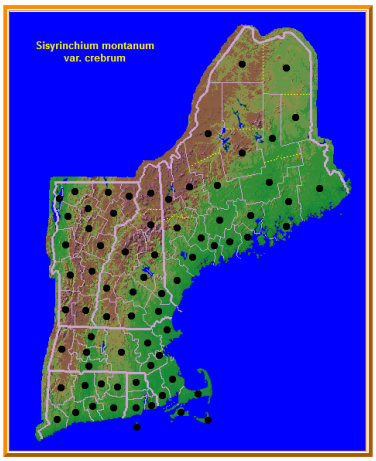
SISYRINCHIUM (Family: Iridaceae)

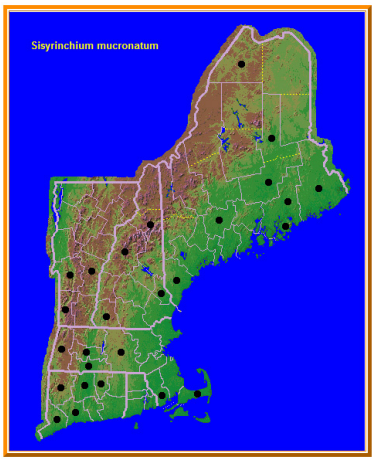
Sisyrinchium albidum Rafinesque - . 2n = 32, (64).
Dry, sandy, open soil and thin woodlands.

Sisyrinchium angustifolium Miller - **Stout Blue-eyed Grass**. 2n = 96.
Meadows, fields, low woods, thickets, damp shores. [*S. bermudiana* misapplied; *S. graminoides* E.P. Bicknell]

Sisyrinchium atlanticum E.P. Bicknell - **Eastern Blue-eyed Grass**. 2n = 16, 32, 96.
Meadows, marshes, low woods.



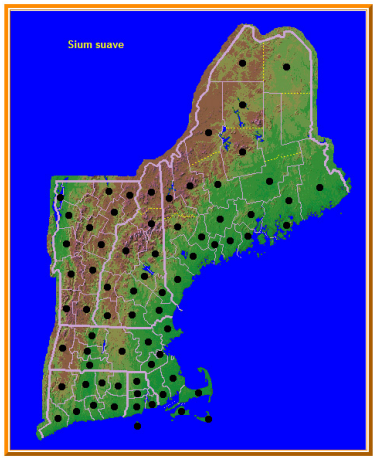


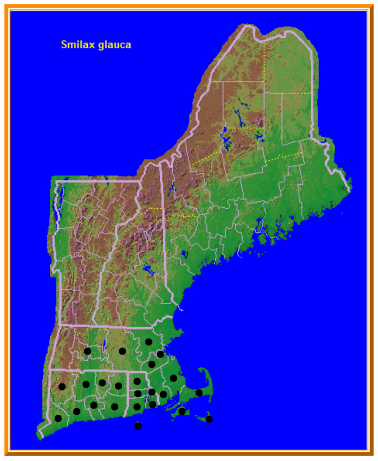


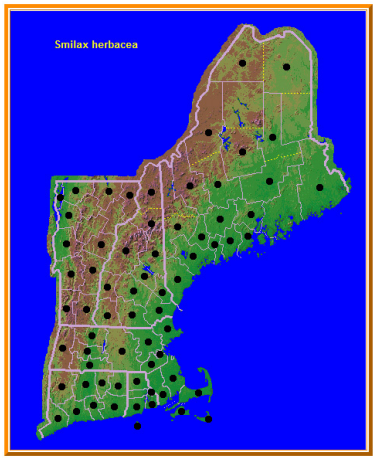
Sisyrinchium fuscatum E.P. Bicknell - . 2n = 32.
Grasslands, mostly sandy soils. [*S. arenicola* E.P. Bicknell]

Sisyrinchium montanum Greene var. ***crebrum*** Fernald - **Common Blue-eyed Grass**. 2n = 32, 86, 96.
Fields, meadows, open woods. [*S. angustifolium* misapplied]

Sisyrinchium mucronatum Michaux - **Slender Blue-eyed Grass**. 2n = (30), 32.
Meadows, fields, sandy places, open woods.







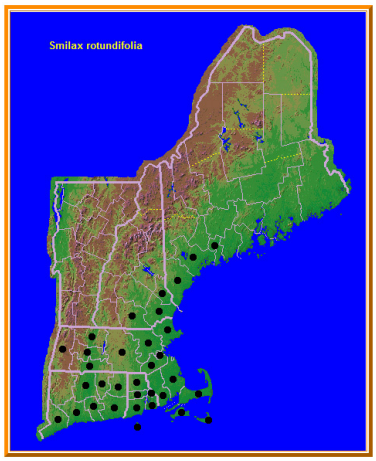
SIUM (Family: Apiaceae)

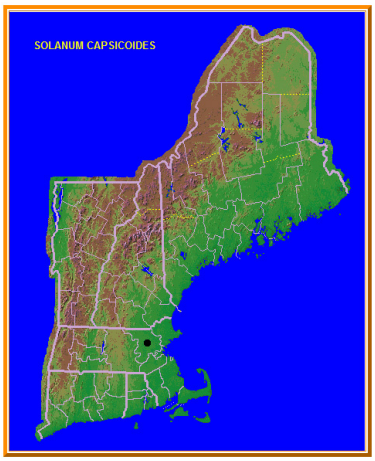
Sium suave Walter - **Water-parsnip**. 2n = 12, (22).
Swamps, shores, meadows, wet thickets, brooks, shallow water of streams. [*S. carsonii* Durand *ex* A. Gray]

SMILAX (Family: Smilacaceae)

Smilax glauca Walter - **Sawbrier**. 2n = 28, 32.
Sandy thickets, open woods. [*S. glauca* Walter var. *leurophylla* S.F. Blake]

Smilax herbacea Linnaeus - **Carrion-flower**. 2n = 26.
Rich thickets, low woodlands.



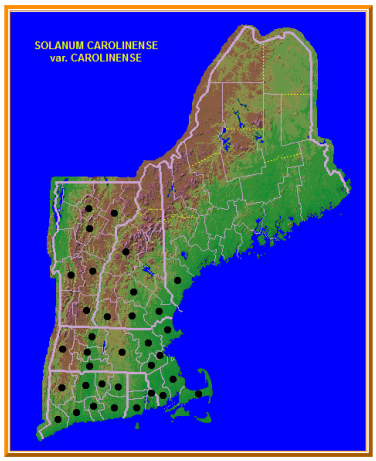


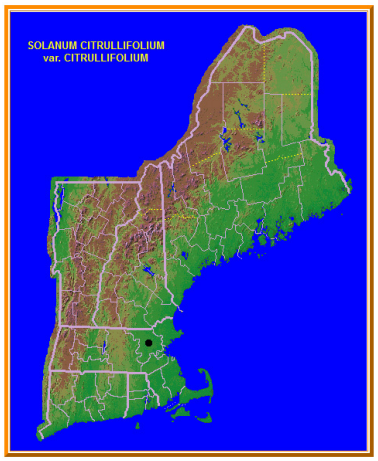
Smilax rotundifolia Linnaeus - **Common Greenbrier**. 2n = ?
Woodlands, thickets.

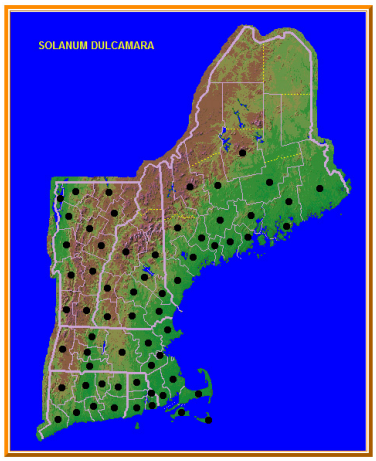
Smilax tamnoides Linnaeus - **China-root**. 2n = ?
Low woodlands, thickets. [*S. tamnoides* var. *hispida* (Muhlenberg *ex* Torrey) Fernald; *S. hispida* Muhlenberg *ex* Torrey]

SOLANUM (Family: Solanaceae)

SOLANUM CAPSICOIDES Allioni - **Cockroach-berry**. 2n = 24.
Waste places. From South America. [*S. SPHAEROCARPUM* Moricand]



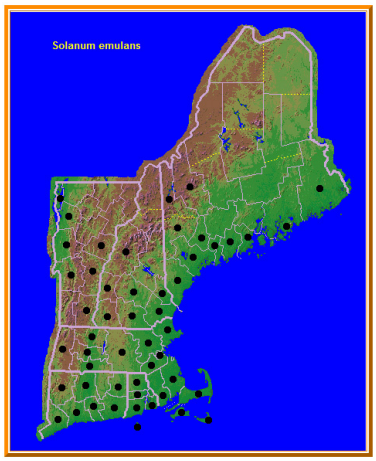


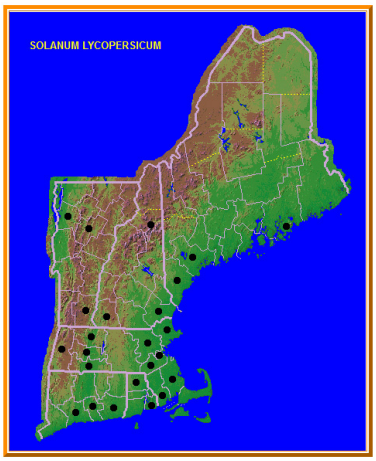


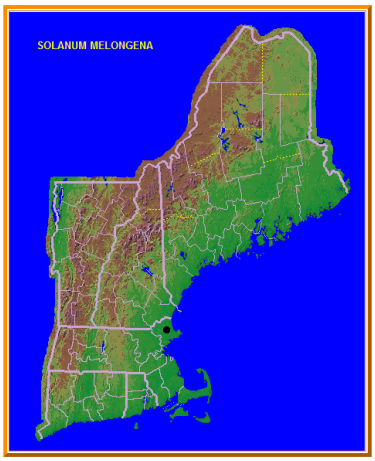
SOLANUM CAROLINENSE Linnaeus var. ***CAROLINENSE*** - **Horse-nettle**. 2n = 24, (48).
Dry fields, openings, roadsides, railroads, waste places, especially in sandy soil. From farther south.

SOLANUM CITRULLIFOLIUM A. Braun var. ***CITRULLIFOLIUM*** - . 2n = 24.
Waste places. From Texas, Mexico..

SOLANUM DULCAMARA Linnaeus - **Climbing Nightshade**. 2n = 24, (48), (72).
Moist thickets, clearings, streambanks, roadsides, waste places. From Eurasia, northern Africa. [*S. DULCAMARA* var. *VILLOSISSIMUM* Desvaux]



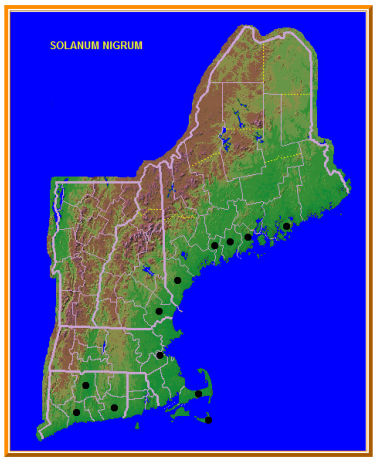


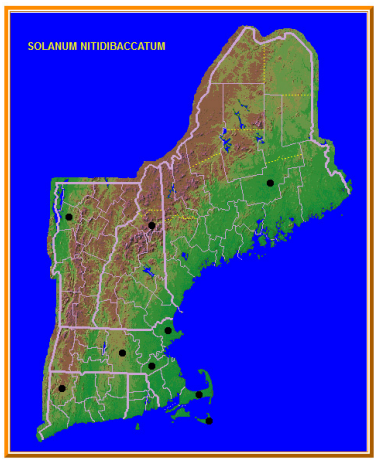


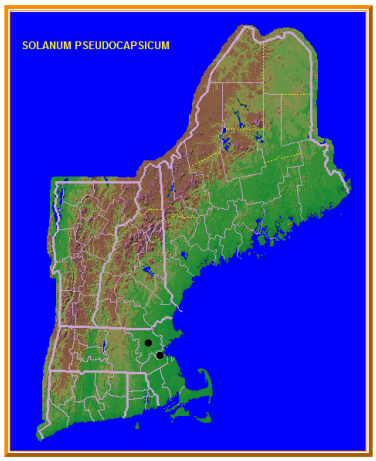
Solanum emulans Rafinesque - **Eastern Black Nightshade**. 2n = 24.
Woodlands, shores, thickets, waste places, usually moist soil. [*S. americanum* misapplied; *S. nigrum* misapplied; *S. ptychanthum* misapplied]

SOLANUM LYCOPERSICUM Linnaeus - **Garden Tomato**. 2n = 24, (36), (48).
Waste places, roadsides, railroads, shores, streambanks. From Mexico. [*LYCOPERSICON ESCULENTUM* Miller]

SOLANUM MELONGENA Linnaeus - **Eggplant**. 2n = 24, (36), (48).
Waste places. From Africa.



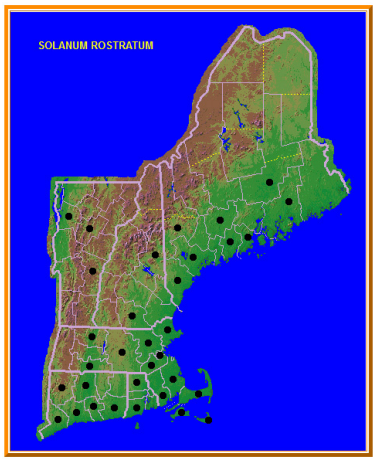


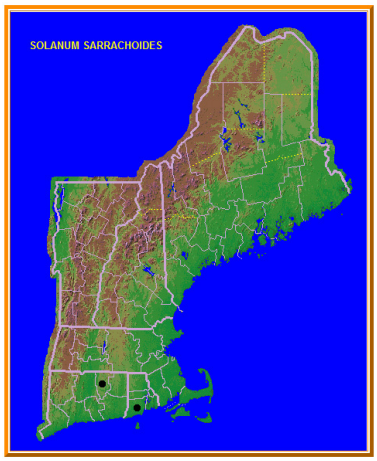


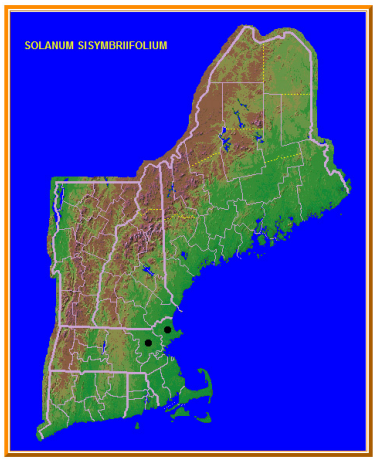
SOLANUM NIGRUM Linnaeus - **European Black Nightshade**. 2n = 24, (36), 48, 72, (96), (144).
Sea beaches, waste places. From Eurasia, northern Africa.

SOLANUM NITIDIBACCATUM Bitter - . 2n = 24.
Waste places, field and woodland margins, roadsides. From South America. [*S. PHYSALIFOLIUM* Rusby; *S. SARACHOIDES* misapplied]

SOLANUM PSEUDOCAPSICUM Linnaeus - **Jerusalem-cherry**. 2n = 24.
Waste places. From Mexico, Central America, Caribbean, South America.



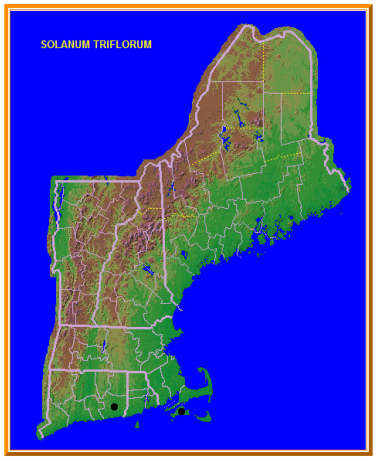


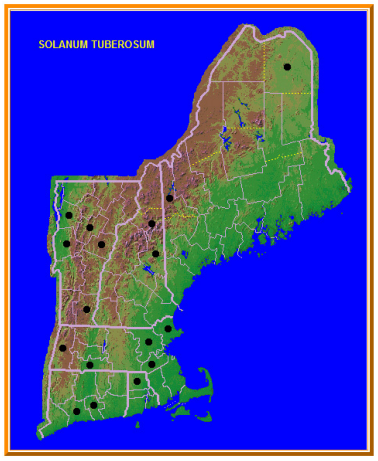


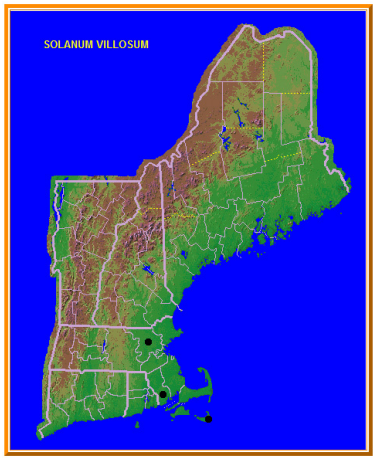
SOLANUM ROSTRATUM Dunal - **Buffalo-bur**. 2n = 24.
Waste places, railroads, shores. From farther west. [*S. CORNUTUM* misapplied]

SOLANUM SARRACHOIDES Sendtner - **Hairy Nightshade**. 2n = 24.
Roadsides, waste places. From South America.

SOLANUM SISYMBRIIFOLIUM Lamarck - **Sticky Nightshade**. 2n = 24, (72).
Waste places. From South America.



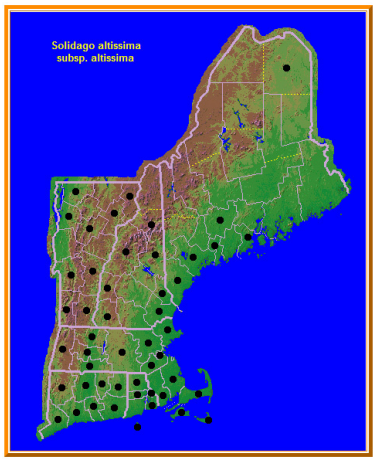


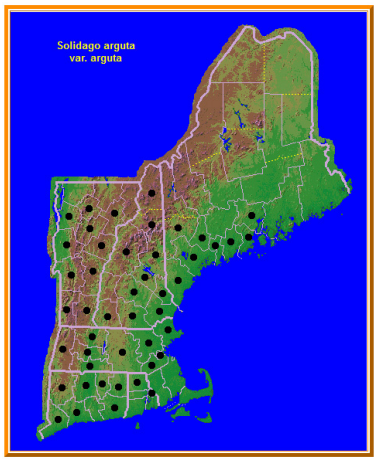


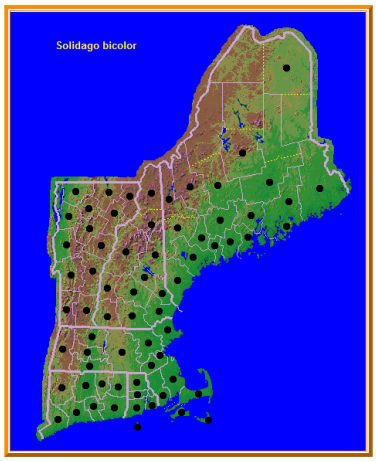
SOLANUM TRIFLORUM Nuttall - . 2n = 24.
Waste places. From farther west.

SOLANUM TUBEROSUM Linnaeus - **Potato**. 2n = 24, (36), 48, (60), (72), (96).
Waste places, roadsides, railroads, fields. From western South America.

SOLANUM VILLOSUM Miller - . 2n = 48, (96).
Waste places. From southern Europe.





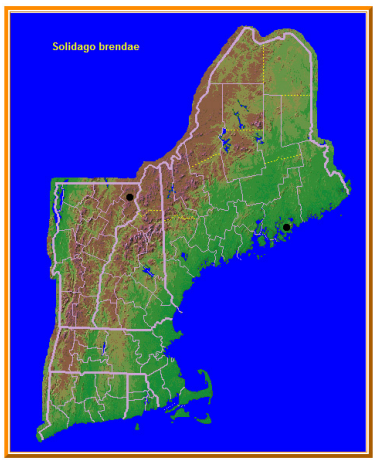


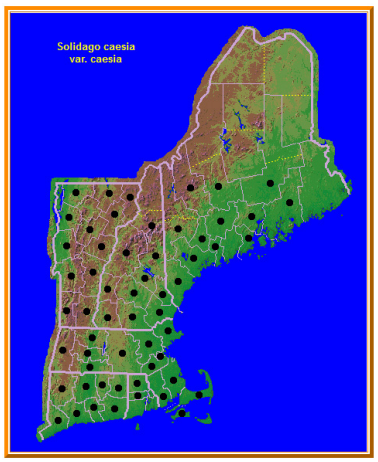
SOLIDAGO (Family: Asteraceae)

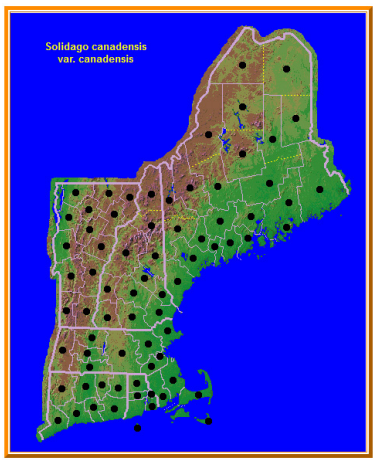
Solidago altissima Linnaeus subsp. ***altissima*** - . 2n = (36), 54.
Clearings, fields, meadows, thickets, roadsides, waste places. [*S. canadensis* Linnaeus var. *scabra* (Muhlenberg *ex* Willdenow) Torrey & A. Gray]

Solidago arguta Aiton var. ***arguta*** - . 2n = 18.
Open woods, clearings, roadsides.

Solidago bicolor Linnaeus - **Silverrod**. 2n = 18.
Dry, open, sterile soils, open woods, rocky slopes, roadsides.



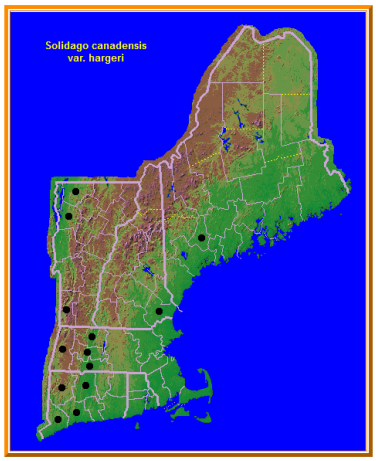


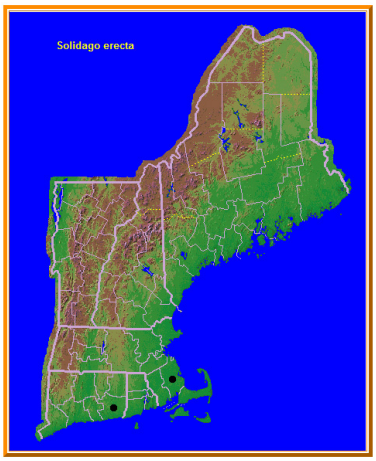


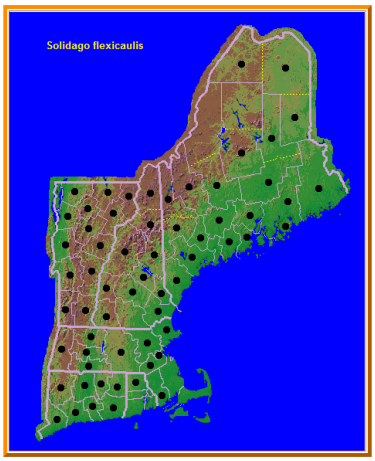
Solidago brendae Semple - **Brenda's Goldenrod**. 2n = 18.
Roadsides.

Solidago caesia Linnaeus var. ***caesia*** - **Blue-stem Goldenrod**. 2n = 18.
Open or rich woods, woods margins, clearings, thickets.

Solidago canadensis Linnaeus var. ***canadensis*** - . 2n = 18, (36).
Fields, roadsides, thickets, clearings, open woods.



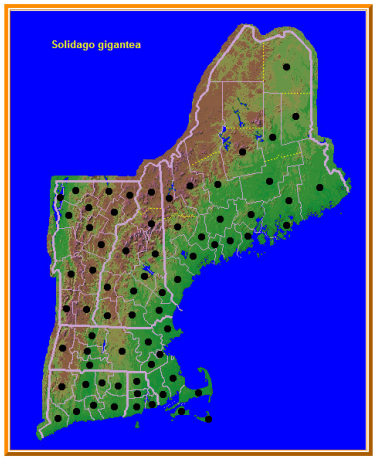


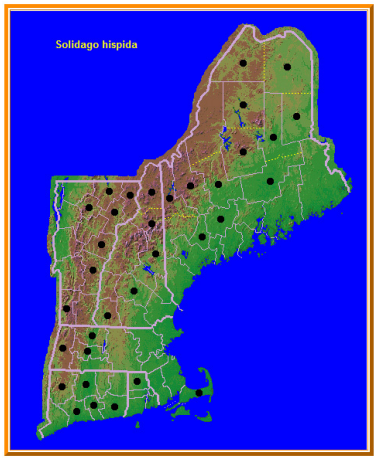


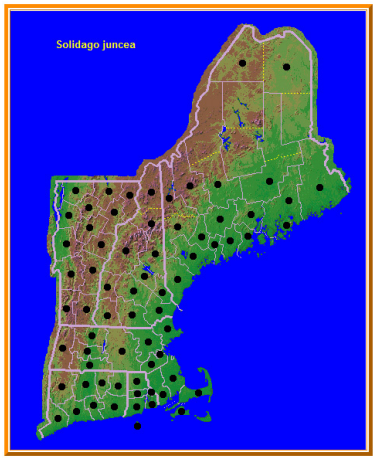
Solidago canadensis Linnaeus var. ***hargeri*** Fernald - . 2n = 18.
Fields, roadsides, thickets, clearings.

Solidago erecta Banks *ex* Pursh - **Slender Goldenrod**. 2n = 18.
Woods, sandy banks, roadsides.

Solidago flexicaulis Linnaeus - **Zig-zag Goldenrod**. 2n = 18, (27), 36, (90).
Rich woods, thickets.



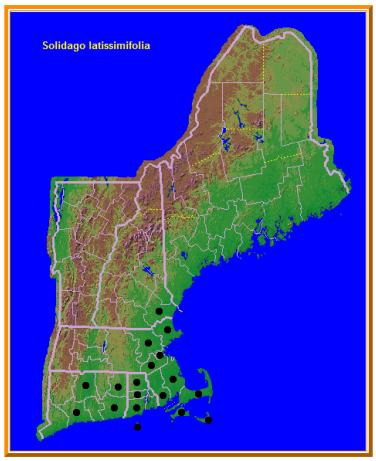


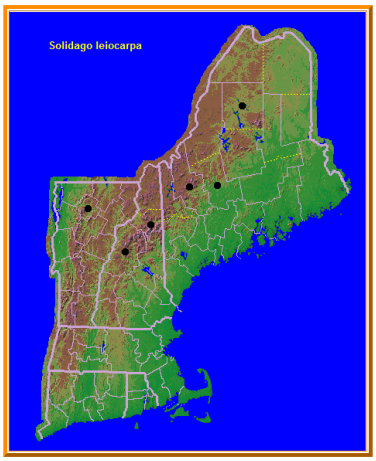


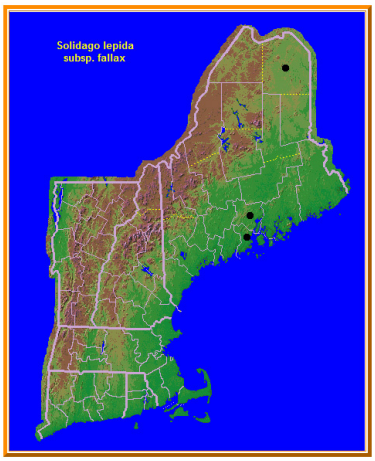
Solidago gigantea Aiton - . 2n = 18, 36, 54.
Damp thickets, meadows, stream banks, fields, swamps, open woods, roadsides. [*S. gigantea* var. *leiophylla* Fernald; *S. gigantea* var. *serotina* (Kuntze) Cronquist]

Solidago hispida Muhlenberg *ex* Willdenow - . 2n = 18, (36).
Dry, open, rocky woods, usually in calcareous soil. [*S. hispida* var. *lanata* (Hooker) Fernald; *S. bicolor* Linnaeus var. *concolor* Torrey & A. Gray; *S. bicolor* var. *lanata* (Hooker) A. Gray]

Solidago juncea Aiton - **Early Goldenrod**. 2n = 18.
Fields, dry, open soil.



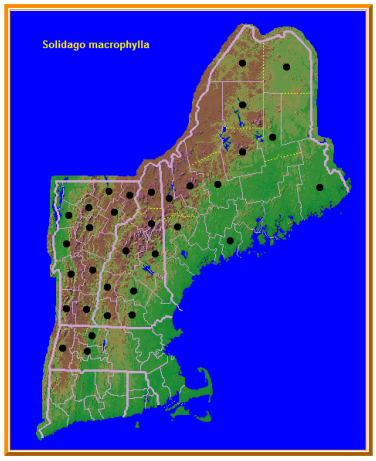


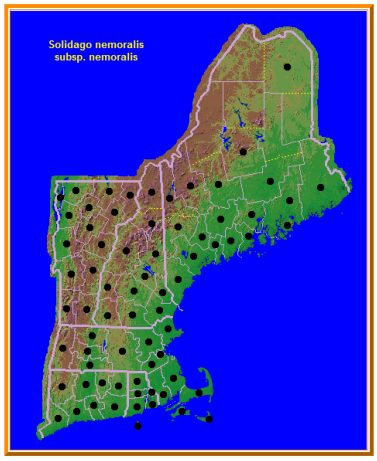


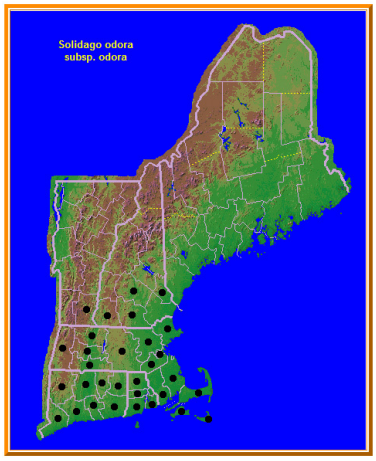
Solidago latissimifolia Miller - . 2n = 18, 36, 54.
Swamps, meadows, low thickets. [*S. elliottii* Torrey & A. Gray var. *elliottii*; *S. elliottii* var. *ascendans* Fernald]

Solidago leiocarpa de Candolle - **Cutler's Alpine Goldenrod**. 2n = 36.
Granitic alpine areas. [*S. cutleri* Fernald; *S. multiradiata* misapplied]

Solidago lepida de Candolle subsp. ***fallax*** (Fernald) Semple - . 2n = 18.
Thickets, shores. [*S. lepida* var. *molina* Fernald]



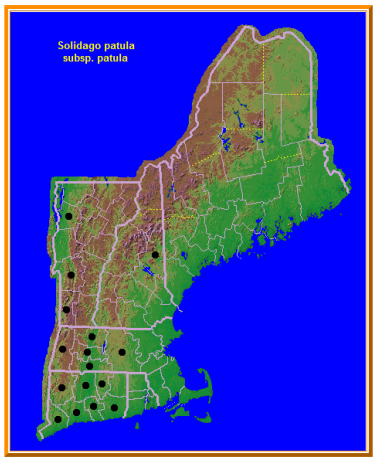


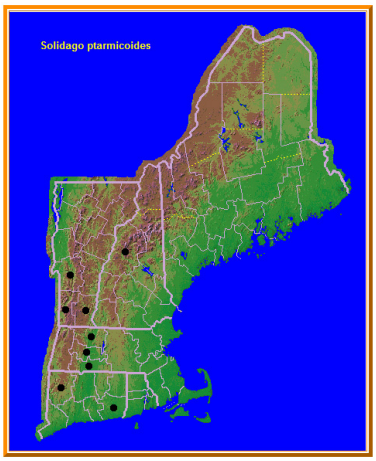


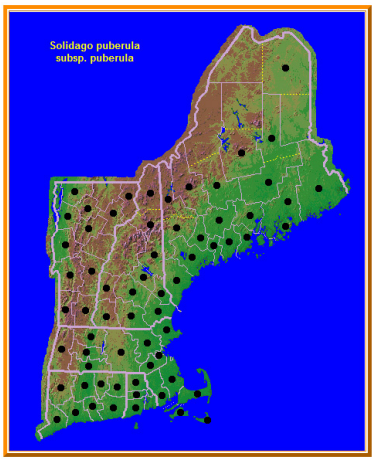
Solidago macrophylla Banks *ex* Pursh - . 2n = 18.
Shaded, rocky, mountain slopes. [*S. macrophylla* var. *thyrsoidea* (E. Meyer) Fernald]

Solidago nemoralis Aiton subsp. ***nemoralis*** - **Gray Goldenrod**. 2n = 18, 36.
Dry fields, open, sandy or gravelly soils, roadsides.

Solidago odora Aiton subsp. ***odora*** - **Sweet Goldenrod**. 2n = 18.
Dry, open woods, clearings, roadsides.



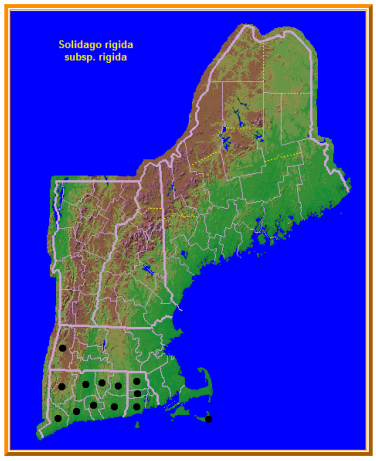


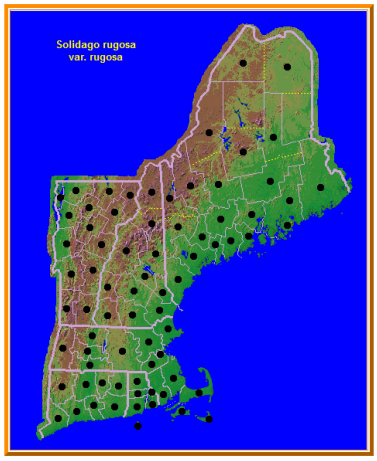


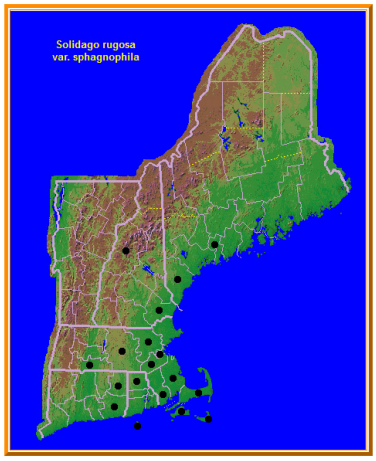
Solidago patula Muhlenberg *ex* Willdenow subsp. ***patula*** - **Rough-leaved Goldenrod**. 2n = 18.
Calcareous swamps, meadows, swales, wet woods and moist roadsides.

Solidago ptarmicoides (Torrey & Gray) B. Boivin - **Snowy Aster**. 2n = 18.
Dry, usually calcareous, ledges. [*Aster ptarmicoides* Torrey & Gray; *Oligoneuron album* (Nuttall) G.L. Nesom]

Solidago puberula Nuttall subsp. ***puberula*** - . 2n = 18.
Dry, open woods, clearings, sandy or rocky shores of ponds and streams, roadsides.



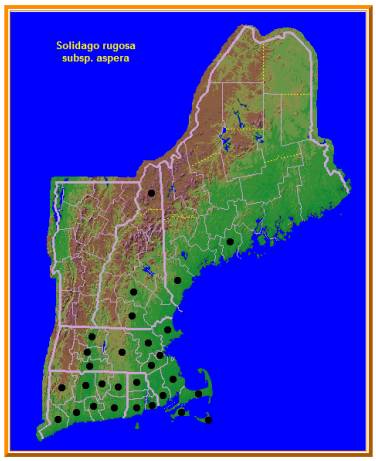


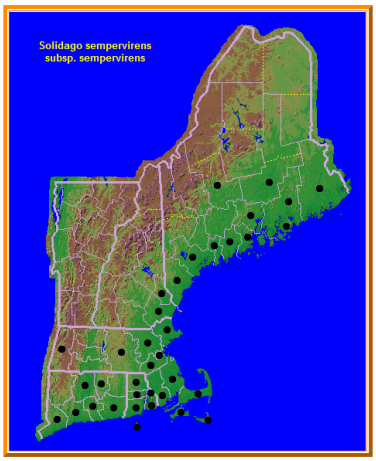


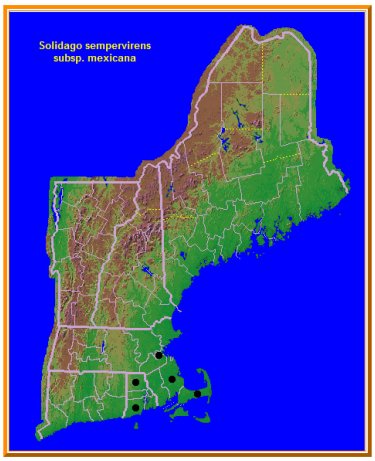
Solidago rigida Linnaeus subsp. ***rigida*** - . 2n = (18), 36.
Dry, open woods, clearings, thickets, near salt marshes, roadsides. [*Oligoneuron rigidum* (Linnaeus) Small]

Solidago rugosa Miller var. ***rugosa*** - . 2n = 18, (36).
Moist, open soil, fields, thickets, borders of woods and streams. [*S. rugosa* var. *villosa* (Pursh) Fernald]

Solidago rugosa Miller var. ***sphagnophila*** C. Graves - . 2n = 18, 54.
Swamps, meadows, wet thickets. [*S. aestivalis* E.P. Bicknell]



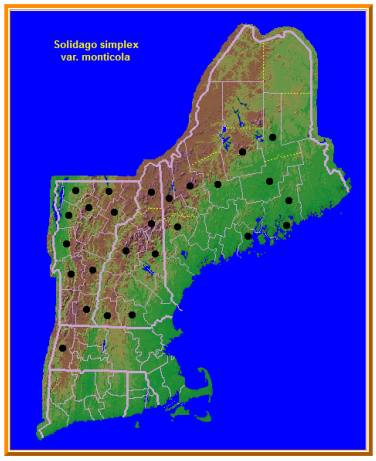


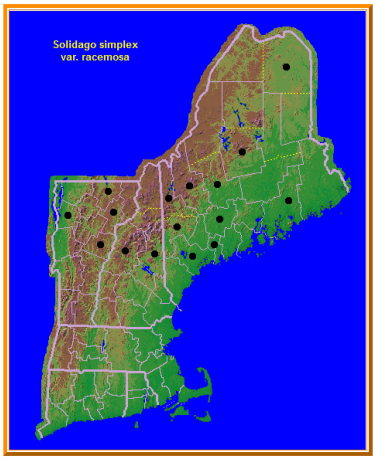


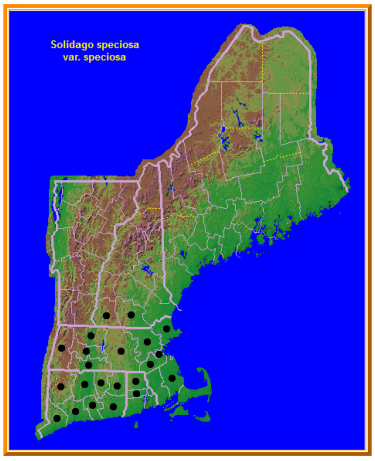
Solidago rugosa Miller subsp. ***aspera*** (Aiton) Cronquist - . 2n = 18, 36.
Open woods, fields, thickets, roadsides. [*S. aspera* Aiton]

Solidago sempervirens Linnaeus subsp. ***sempervirens*** - **Seaside Goldenrod**. 2n = 18.
Salt marshes, seashores, tidal rivers, heavily-salted roadsides.

Solidago sempervirens Linnaeus subsp. ***mexicana*** (Linnaeus) Semple - **Seaside Goldenrod**. 2n = 18.
Salt marshes, seashores, tidal rivers, heavily-salted roadsides.



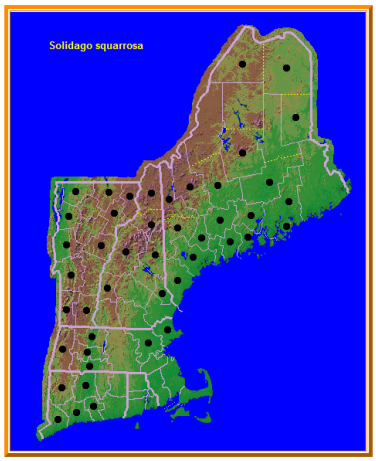


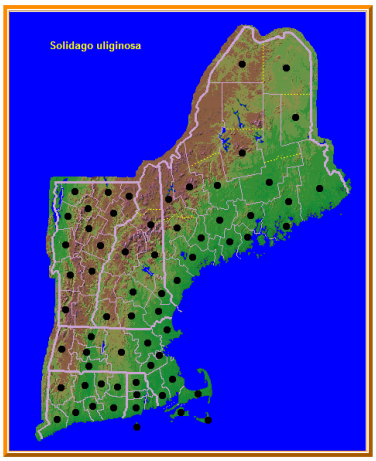


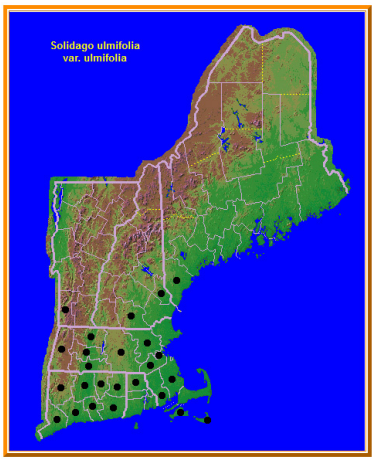
Solidago simplex Kunth var. ***monticola*** (Porter) G.S. Ringius - . 2n = 36.
Dry, serpentine soils, rocky, granite barrens below alpine slopes. [*S. glutinosa* Nuttall var. *randii* (Porter) Cronquist (in part); *S. randii* (Porter) Britton (in part)]

Solidago simplex Kunth var. ***racemosa*** (Greene) G.S. Ringius - **Riverbank Goldenrod**. 2n = 36, 54.
Dry, usually calcareous rocks and ledges along rivers. [*S. glutinosa* Nuttall var. *racemosa* (Greene) Cronquist; *S. racemosa* Greene; *S. randii* (Porter) Britton (in part)]

Solidago speciosa Nuttall var. ***speciosa*** - . 2n = 18, 36.
Fields, open woods, thickets, roadsides.



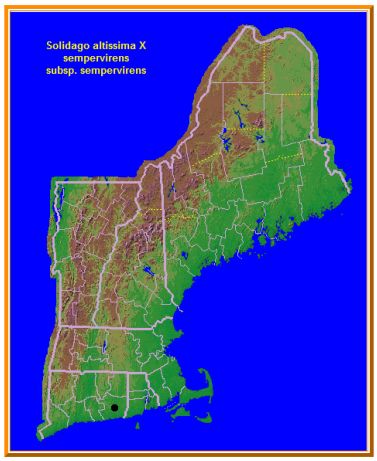


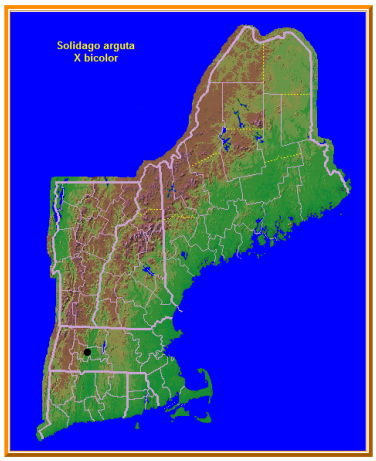


Solidago squarrosa Muhlenberg - **Stout Goldenrod**. 2n = 18.
Dry or rocky, open woods, rocky openings, thickets, fields, roadsides.

Solidago uliginosa Nuttall - **Bog Goldenrod**. 2n = 18, 36.
Bogs, swamps, meadows, marshes, fens, shores, usually sphagnous habitats. [*S. uliginosa* var. *linoides* (Torrey & A. Gray) Fernald; *S. uliginosa* var. *terra-novae* (Torrey & A. Gray) Fernald; *S. purshii* Porter]

Solidago ulmifolia Muhlenberg *ex* Willdenow var. ***ulmifolia*** - . 2n = 18.
Dry, open or rocky woods, thickets, occasionally meadows.



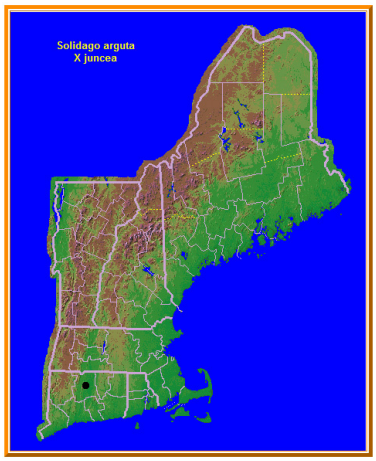


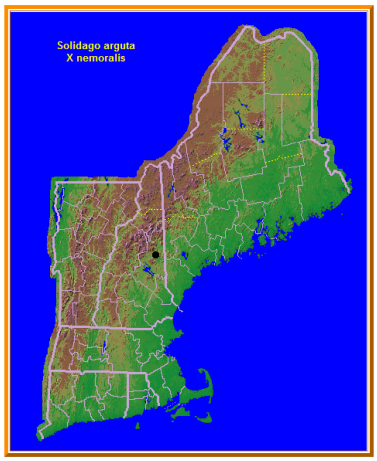
Solidago hybrids

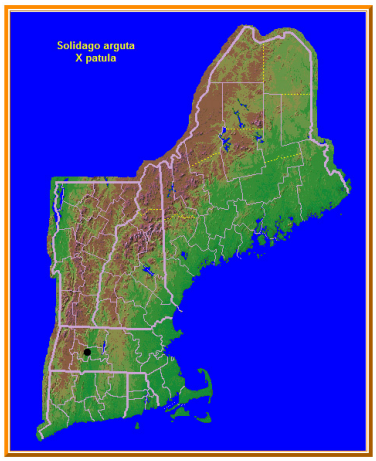
Solidago altissima Linnaeus X ***S. rugosa*** Miller var. ***rugosa*** - .

Solidago altissima Linnaeus X ***S. sempervirens*** Linnaeus var. ***sempervirens*** - .

Solidago arguta Aiton X ***S. bicolor*** Linnaeus - .



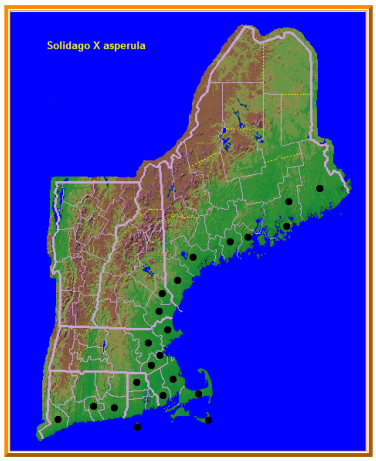


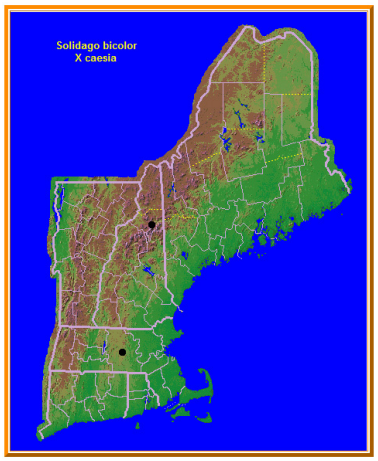


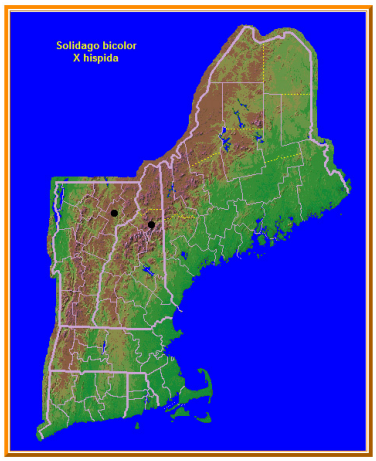
Solidago arguta Aiton X ***S. juncea*** Aiton - .

Solidago arguta Aiton X ***S. nemoralis*** Aiton - .

Solidago arguta Aiton X ***S. patula*** Muhlenberg *ex* Willdenow - .



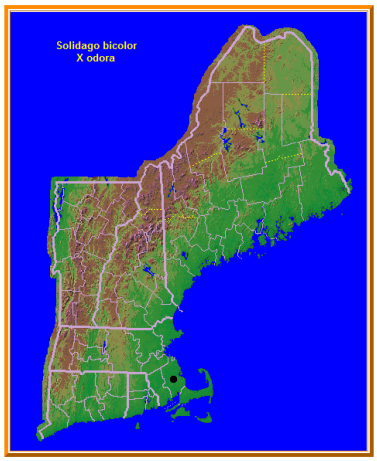




Solidago X ***asperula*** Desfontaines (*pro species*) - .
[*S. rugosa* Miller var. *rugosa* X *S. sempervirens* Linnaeus subsp. *sempervirens*]

Solidago bicolor Linnaeus X ***S. caesia*** Linnaeus - .

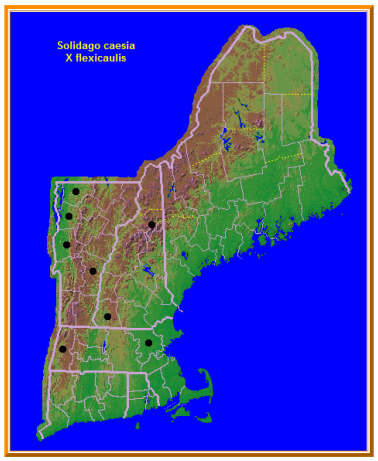
Solidago bicolor Linnaeus X ***S. hispida*** Muhlenberg *ex* Willdenow - .

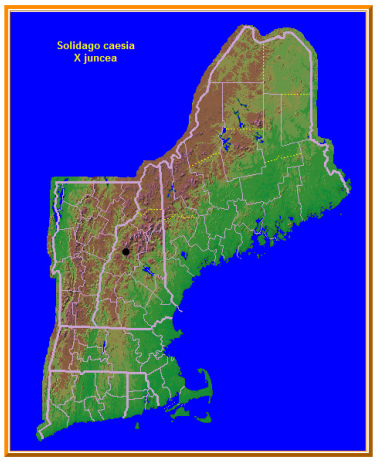


Solidago bicolor Linnaeus X ***S. nemoralis*** Aiton - .

Solidago bicolor Linnaeus X ***S. odora*** Aiton - .

Solidago bicolor Linnaeus X ***S. puberula*** Nuttall - .

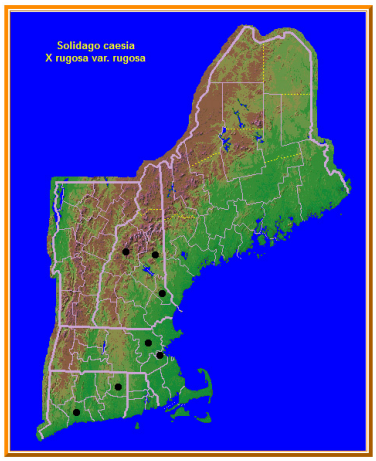


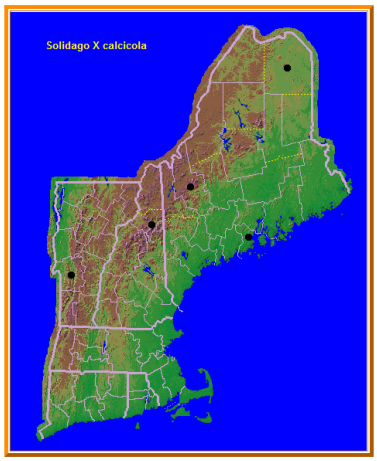


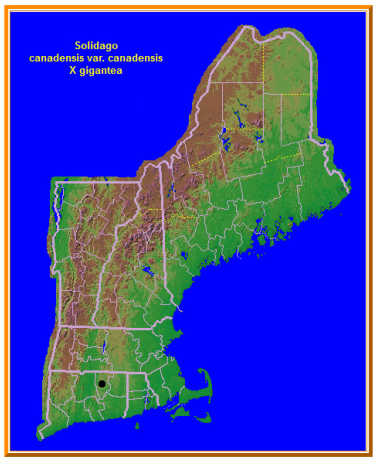
Solidago bicolor Linnaeus X ***S. rugosa*** Miller var. ***rugosa*** - .

Solidago caesia Linnaeus X ***S. flexicaulis*** Linnaeus - .

Solidago caesia Linnaeus X ***S. juncea*** Aiton - .



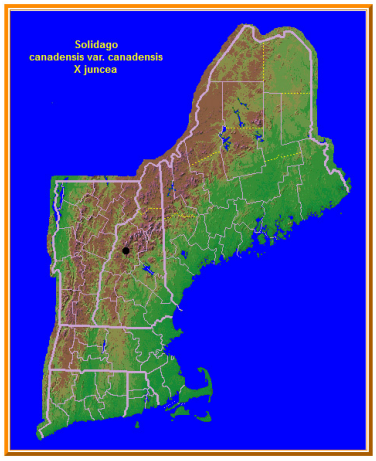


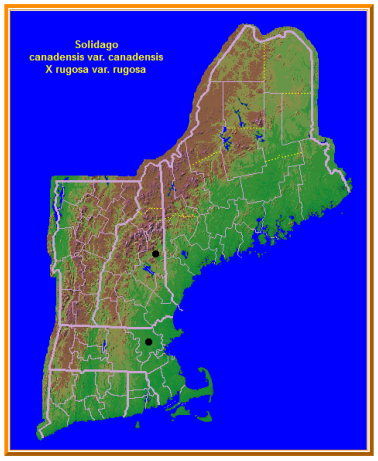


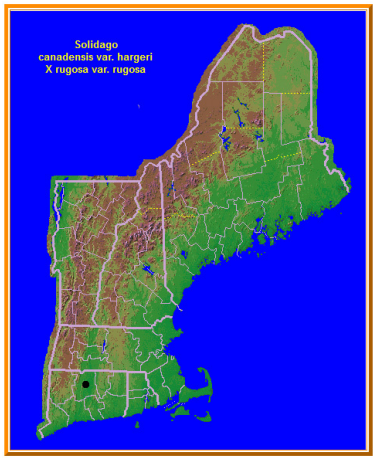
Solidago caesia Linnaeus X ***S. rugosa*** Miller var. ***rugosa*** - .

Solidago X ***calcicola*** (Fernald) Fernald (*pro species*) - .
[*S. macrophylla* Banks *ex* Pursh X *S.* ?]

Solidago canadensis Linnaeus var. ***canadensis*** X ***S. gigantea*** Aiton - .



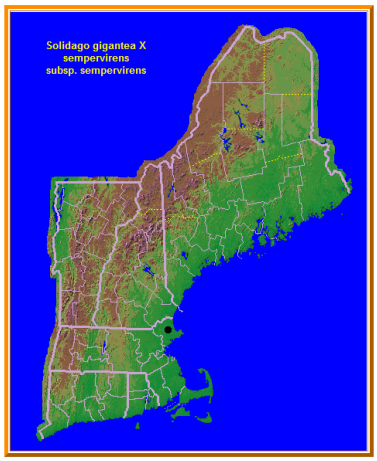




Solidago canadensis Linnaeus var. ***canadensis*** X ***S. juncea*** Aiton - .

Solidago canadensis Linnaeus var. ***canadensis*** X ***S. rugosa*** Miller var. ***rugosa*** - .

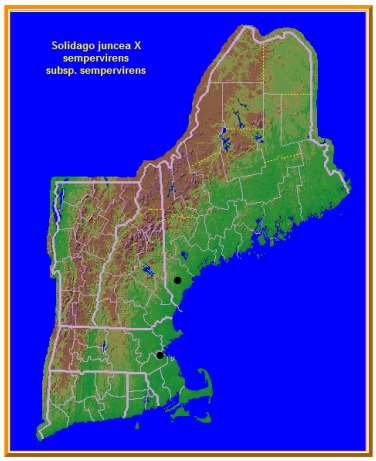
Solidago canadensis Linnaeus var. ***hargeri*** Fernald X ***S. rugosa*** Miller var. ***rugosa*** - .

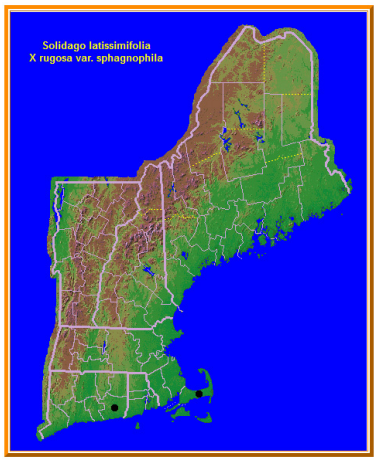


Solidago gigantea Aiton X ***S. rugosa*** Miller var. ***rugosa*** - .

Solidago gigantea Aiton X ***S. sempervirens*** Linnaeus subsp. ***sempervirens*** - .

Solidago juncea Aiton X ***S. nemoralis*** Aiton - .

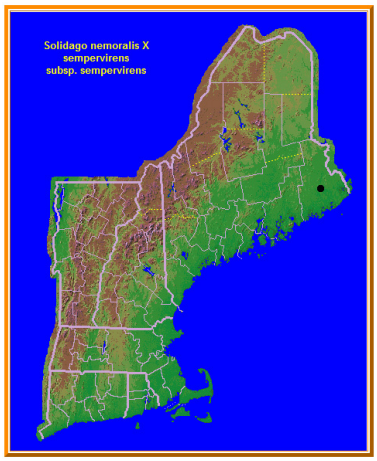




Solidago juncea Aiton X ***S. sempervirens*** Linnaeus subsp. ***sempervirens*** - .

Solidago latissimifolia Miller X ***S. rugosa*** Miller var. ***sphagnophila*** C. Graves - .

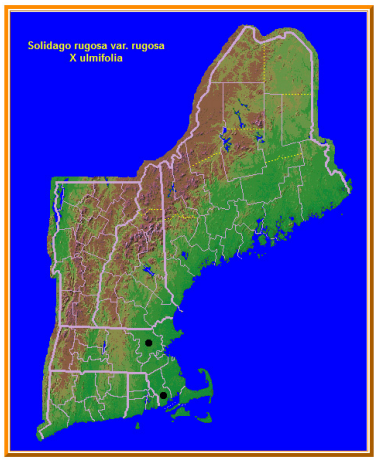
Solidago leiocarpa de Candolle X ***S. simplex*** Kunth var. ***monticola*** (Porter) G.S. Ringius - .

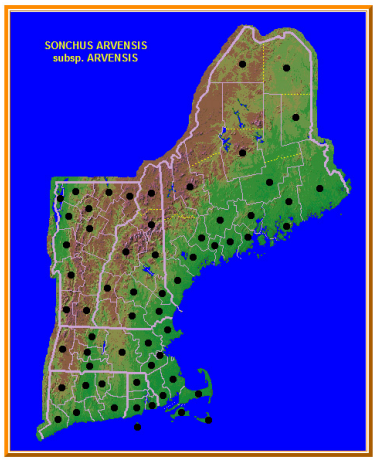


Solidago macrophylla Banks *ex* Pursh X ***S. rugosa*** Miller var. ***rugosa*** - .

Solidago nemoralis Aiton X ***S. sempervirens*** Linnaeus subsp. ***sempervirens*** - .

Solidago nemoralis Aiton X ***S. speciosa*** Nuttall - .



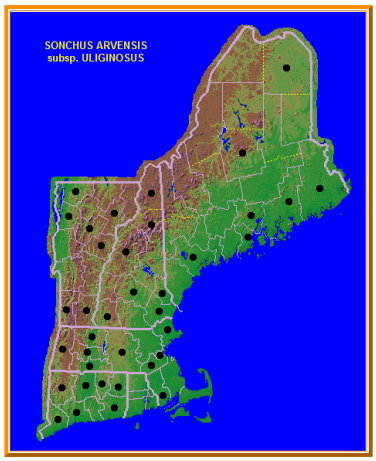


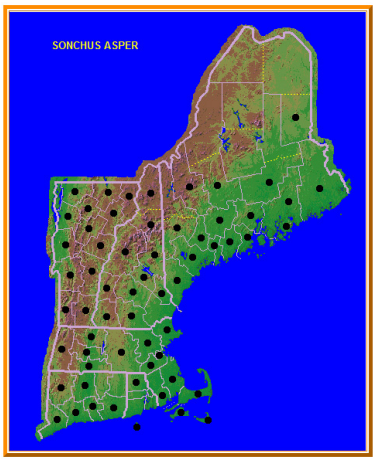
Solidago odora Aiton X ***S. rugosa*** Miller var. ***rugosa*** - .

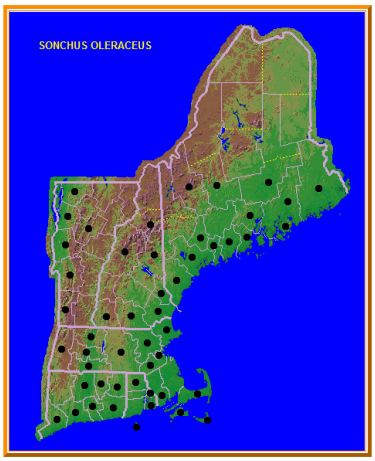
Solidago rugosa Miller var. ***rugosa*** X ***S. ulmifolia*** Muhlenberg *ex* Willdenow - .

SONCHUS (Family: Asteraceae)

SONCHUS ARVENSIS Linnaeus subsp. ***ARVENSIS*** - **Corn Sow-thistle**. 2n = 18, 36, (40), (45), 54, (60), (64).
Waste places, fields, roadsides, shores, usually wet sites. From Eurasia, northern Africa.



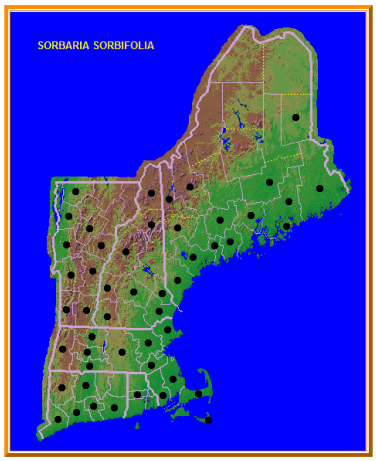


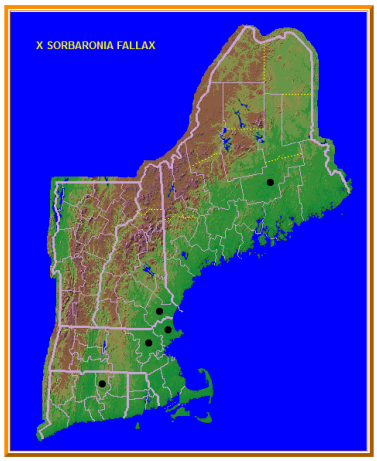


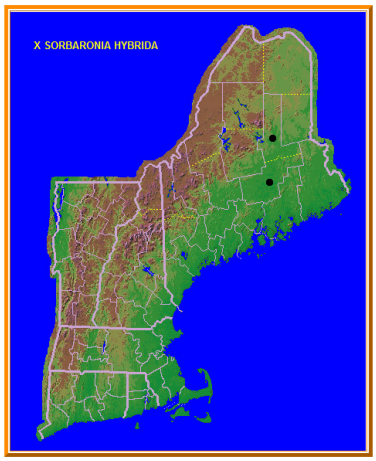
SONCHUS ARVENSIS Linnaeus subsp. ***ULIGINOSUS*** (M. Bieberstein) Nyman - . 2n = (27), 36.
Waste places, fields, roadsides, shores, usually wet sites. From Eurasia. [*S. ARVENSIS* var. *GLABRESCENS* Günther, Grabowski, & Wimmer; *S. ULIGINOSUS* M. Bieberstein]

SONCHUS ASPER (Linnaeus) Hill - **Prickly Sow-thistle**. 2n = 18, (36).
Waste places, roadsides, sea shores. From Eurasia, northern Africa.

SONCHUS OLERACEUS Linnaeus - **Common Sow-thistle**. 2n = (18), 32, (36), (64).
Waste places, fields, roadsides, sea shores. From Eurasia, northern Africa.







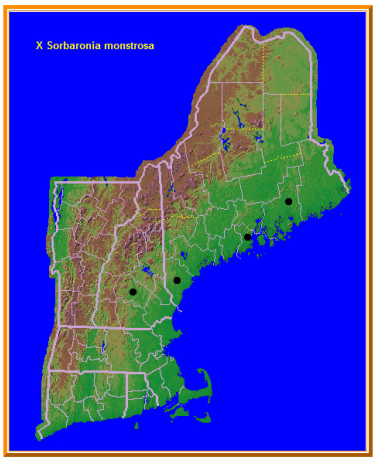
SORBARIA (Family: Rosaceae)

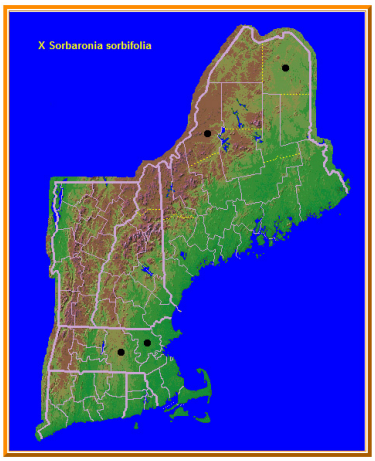
SORBARIA SORBIFOLIA (Linnaeus) A. Braun - **False Spiraea**. 2n = 18, 36.
Roadsides, waste places. From eastern Asia.

X SORBARONIA (Family: Rosaceae)

X ***SORBARONIA FALLAX*** (C.K. Schneider) C.K. Schneider - .
[*Aronia melanocarpa* (Michaux) Elliott X *SORBUS AUCUPARIA* Linnaeus; *PYRUS* X *FALLAX* (C.K. Schneider) Fernald]

X ***SORBARONIA HYBRIDA*** (Moench) C.K. Schneider - .
[*Aronia arbutifolia* (Linnaeus) Persoon X *SORBUS AUCUPARIA* Linnaeus; *ARONIA HYBRIDA* (Moench) Zabel; *PYRUS HYBRIDA* Moench; *SORBUS* X *HYBRIDA* (Moench) C.K. Schneider not Linnaeus – illegitimate name]

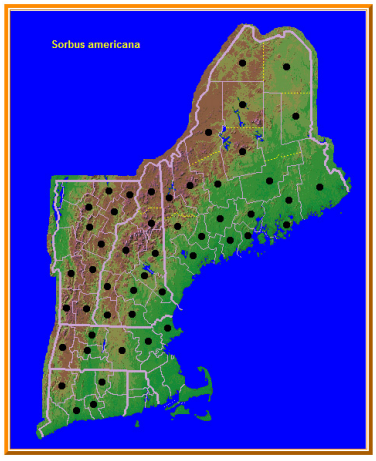


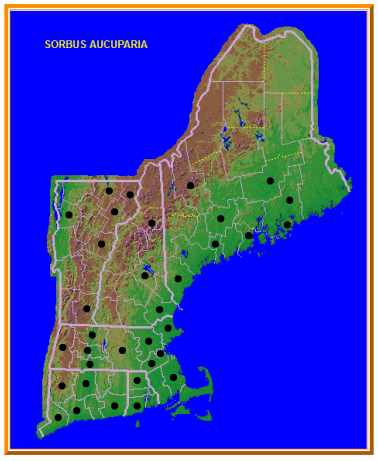


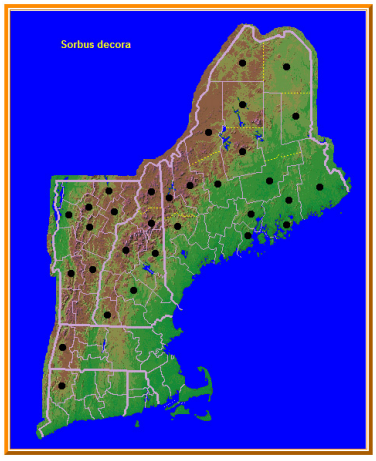
X ***Sorbaronia jackii*** Rehder - .
[*Aronia* X *prunifolia* (Marshall) Rehder X *Sorbus americana* Marshall; *Pyrus* X *jackii* (Rehder) Fernald]

X ***Sorbaronia monstrosa*** (Zabel) C.K. Schneider - .
[*Aronia* X *arbutifolia* (Linnaeus) Persoon X *Sorbus americana* Marshall]

X ***Sorbaronia sorbifolia*** (Poiret) C.K. Schneider - .
[*Aronia melanocarpa* (Michaux) Elliott X *Sorbus americana* Marshall; *Aronia sargentii* (Dippel) Zabel; *Pyrus* X *mixta* Fernald; *Sorbus* X *sargentii* Dippel; *S.* X *sorbifolia* (Poiret) Hedlund]





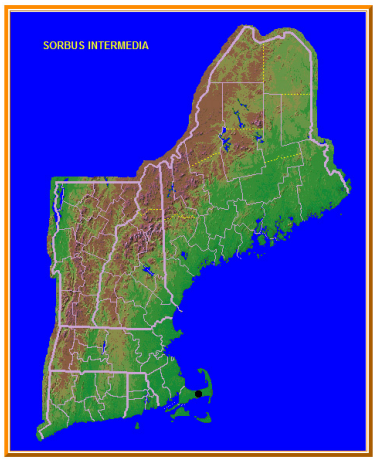


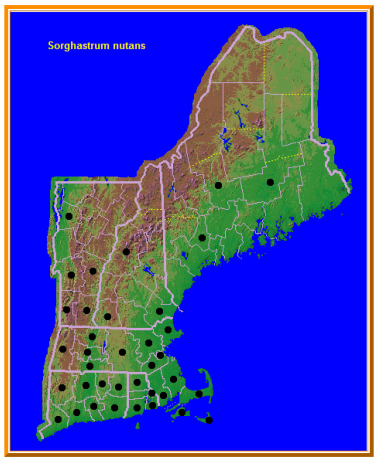
SORBUS (Family: Rosaceae)

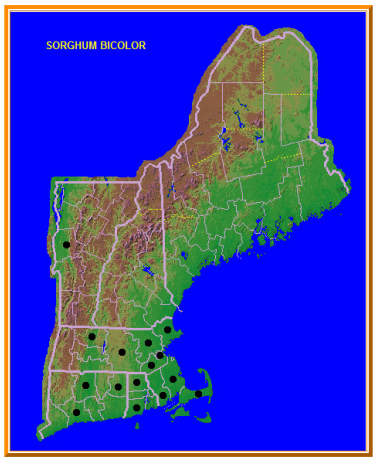
Sorbus americana Marshall - **American Mountain-ash**. 2n = 34.
Cool, moist woods, mountain slopes. [*Pyrus americana* (Marshall) Sprengel]

SORBUS AUCUPARIA Linnaeus - **European Mountain-ash**. 2n = (30), 34, (51).
Woods, fields, roadsides, woodland borders, thickets. From Eurasia. [*PYRUS AUCUPARIA* (Linnaeus) Gaertner]

Sorbus decora (Sargent) C.K. Schneider - **Northern Mountain-ash**. 2n = 34, 68.
Wet woods, high mountain slopes, freshwater shores. [*S. decora* var. *groenlandica* (C.K. Schneider) G.N. Jones; *Pyrus decora* (Sargent) Hyland; *P. decora* var. *groenlandica* (C.K. Schneider) Fernald]







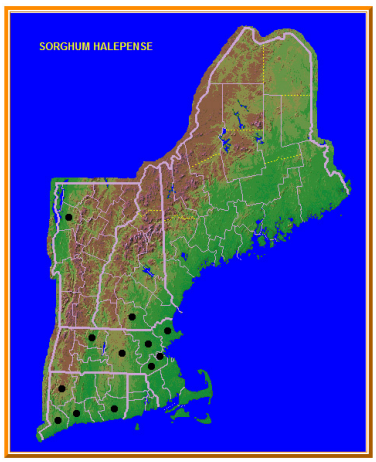
SORBUS INTERMEDIA (Ehrhart) Persoon - **Swedish Whitebeam**. 2n = 68.
Roadsides. From Europe. [*PYRUS INTERMEDIA* Ehrhart]

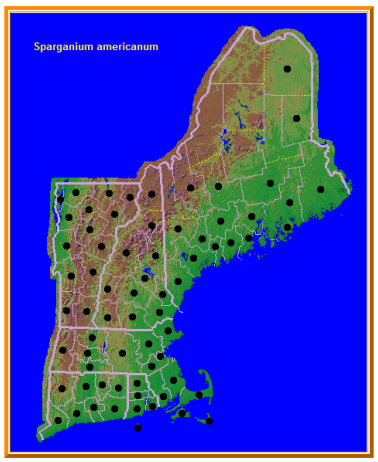
SORGHASTRUM (Family: Poaceae)

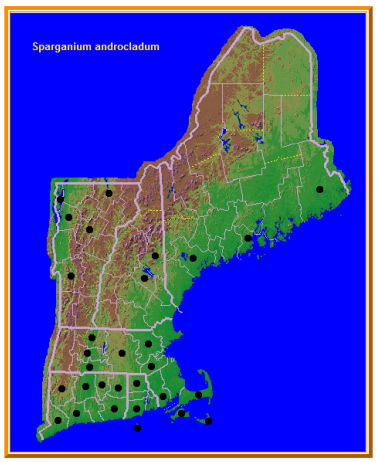
Sorghastrum nutans (Linnaeus) Nash - **Indian Grass**. 2n = (20), 40, (80).
Dry fields, roadsides, rocky shores of rivers.

SORGHUM (Family: Poaceae)

SORGHUM BICOLOR (Linnaeus) Moench - **Sorghum**. 2n = (10), 20, (40).
Waste places. From Africa. [*S. VULGARE* Persoon]





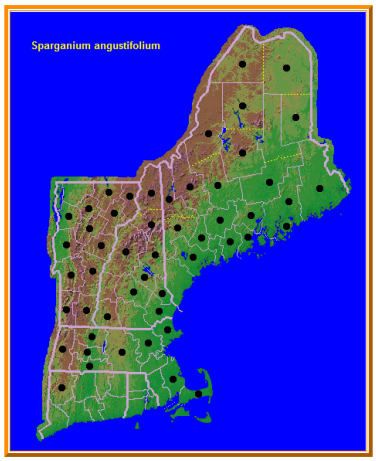


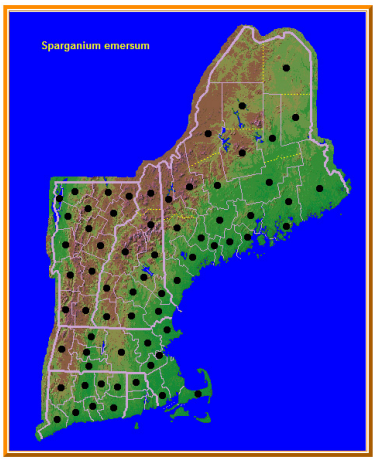
SORGHUM HALEPENSE (Linnaeus) Persoon - **Johnson Grass**. 2n = (18), (20), 40, (60).
Waste places. From the Mediterranean.

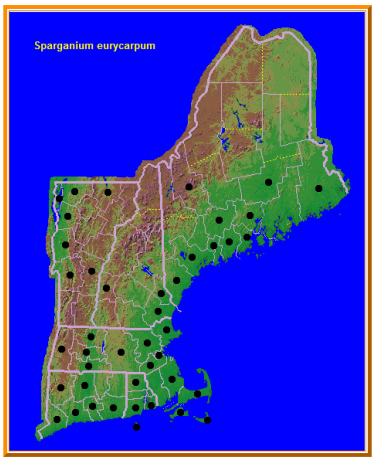
SPARGANIUM (Family: Typhaceae)

Sparganium americanum Nuttall - . 2n = ?
Muddy shores, shallow water.

Sparganium androcladum (Engelmann) Morong - . 2n = ?
Muddy shores, marshes, shallow water.



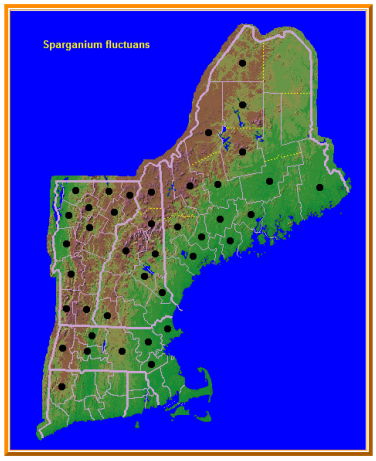


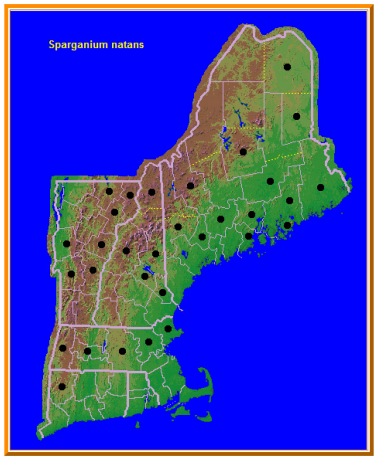


Sparganium angustifolium Michaux - . 2n = 30.
Shallow or deep water, shores. [*S. multipedunculatum* (Morong) Rydberg]

Sparganium emersum Rehmann - . 2n = 30.
Muddy shores, marshes, shallow water [*S. chlorocarpum* Rydberg; *S. chlorocarpum* var. *acaule* (Beeby) Fernald]

Sparganium eurycarpum Engelmann - . 2n = 30.
Mostly basic, muddy shores, marshes, shallow water.



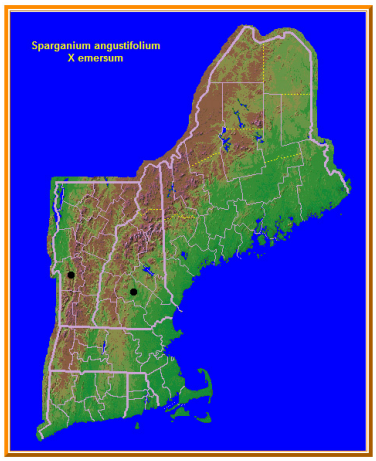


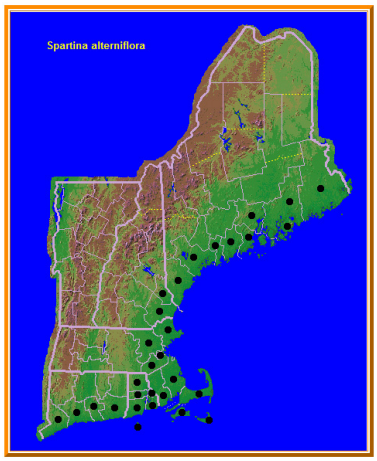
Sparganium fluctuans (Morong) B.L. Robinson - . 2n = ?
Non-basic lakes and ponds.

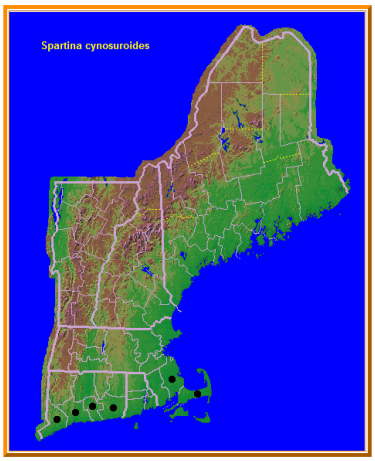
Sparganium natans Linnaeus - . 2n = 30.
Shallow pools, streams, shores, bogs. [*S. minimum* Fries *ex* Wallroth]

Sparganium hybrids

Sparganium americanum Nuttall X ***S. fluctuans*** (Morong) B.L. Robinson - .





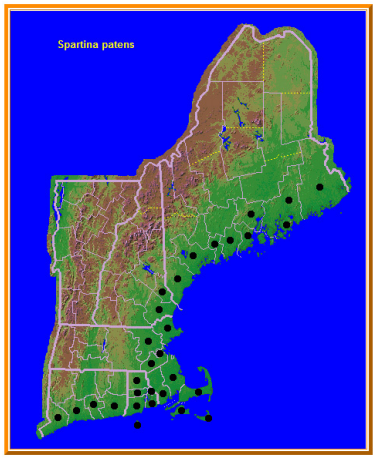


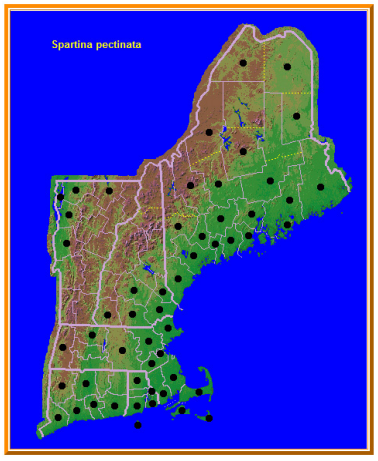
Sparganium angustifolium Michaux X ***S. emersum*** Rehmann - .

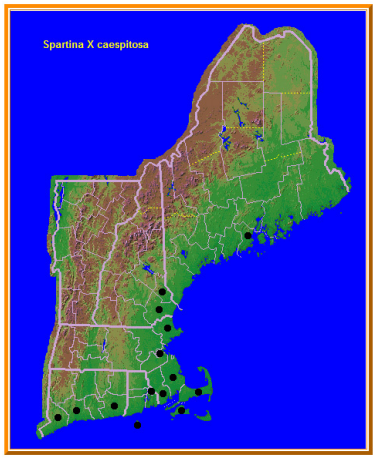
SPARTINA (Family: Poaceae)

Spartina alterniflora Loiseleur - **Smooth Cordgrass**. 2n = (40), (56), (60), 62.
Salt marshes, tidal shores. [*S. alterniflora* var. *pilosa* (Merrill) Fernald]

Spartina cynosuroides (Linnaeus) Roth - **Big Cordgrass**. 2n = 40, 42.
Salt marshes. [*S. cynosuroides* var. *polystachya* (Michaux) Beal]





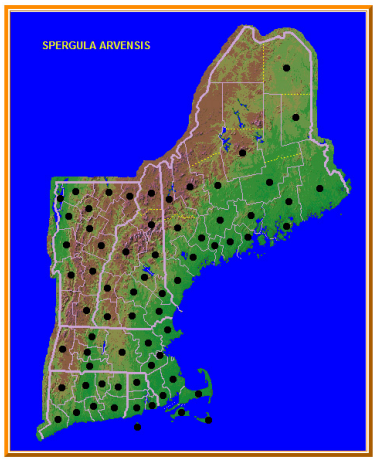


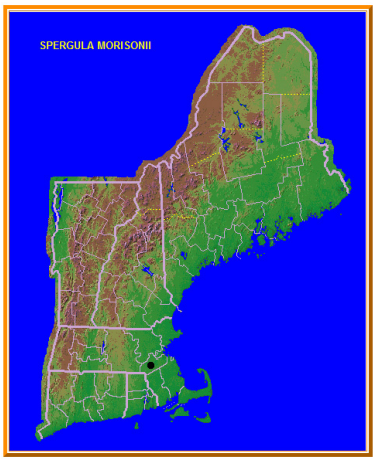
Spartina patens (Aiton) Muhlenberg - **Saltmeadow Cordgrass**. 2n = (28), 40.
Salt marshes. [*S. patens* var. *monogyna* (M.A. Curtis) Fernald]

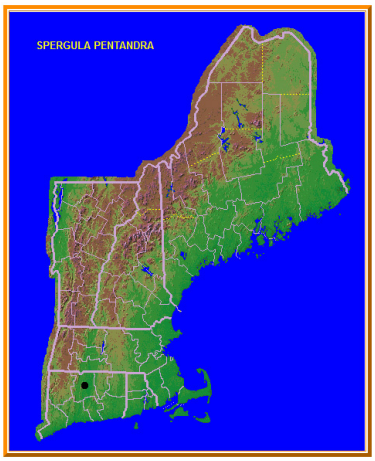
Spartina pectinata Link - **Prairie Cordgrass**. 2n = (28), 40, (80).
Shores, meadows, lowlands. [*S. pectinata* var. *suttiei* (Farwell) Fernald]

***Spartina* hybrid**

Spartina X ***caespitosa*** A.A. Eaton (*pro species*) - .
Salt marsh borders, beaches. [*S. patens* (Aiton) Muhlenberg X *S. pectinata* Link; *S. patens* var. *caespitosa* (A.A. Eaton) Hitchcock]





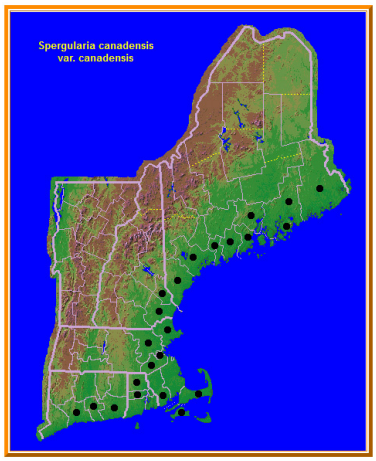


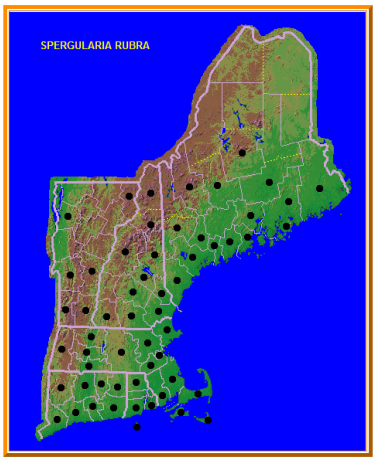
SPERGULA (Family: Caryophyllaceae)

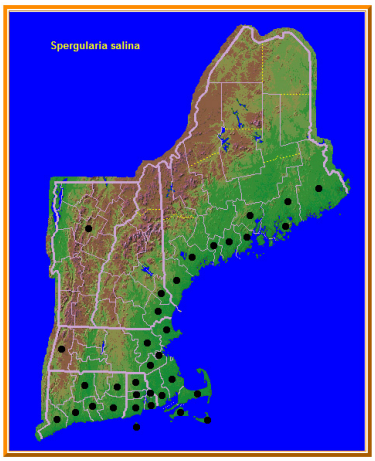
SPERGULA ARVENSIS Linnaeus - **Corn Spurrey**. 2n = 18, (36).
Roadsides, fallow fields. From Eurasia. [*S. ARVENSIS* var. *SATIVA* (Boenninghausen) Mertens & W.D.J. Koch]

SPERGULA MORISONII Boreau - **Pearlwort Spurrey**. 2n = 18.
Sandy roadsides, disturbed ground. From Europe.

SPERGULA PENTANDRA Linnaeus - **Wingstem Spurrey**. 2n = 18.
Sandy fields, disturbed ground. From Eurasia, northern Africa.





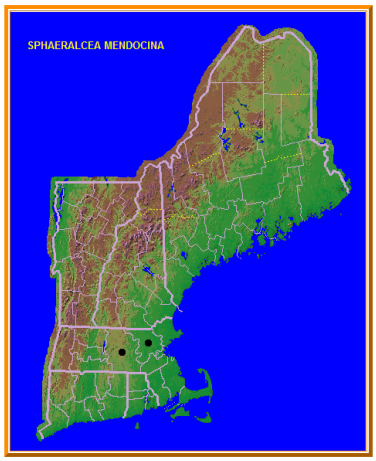


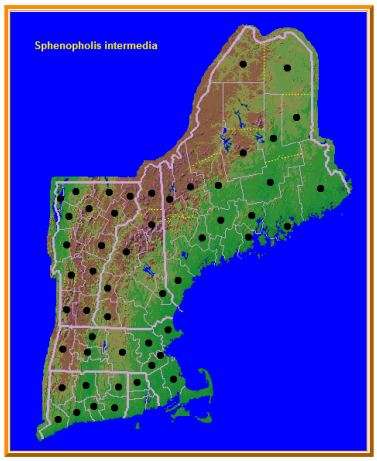
SPERGULARIA (Family: Caryophyllaceae)

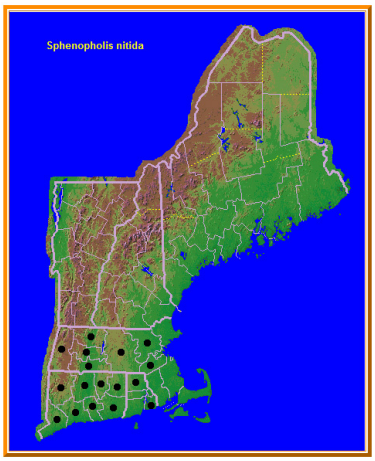
Spergularia canadensis (Persoon) G. Don var. ***canadensis*** - **Northern Sand-spurrey**. 2n = 36.
Salt marshes, tidal shores.

SPERGULARIA RUBRA (Linnaeus) J. Presl & C. Presl - **Red Sand-spurrey**. 2n = (18), (27), 36.
Dry, sandy, gravelly roadsides or disturbed places. From Eurasia.

Spergularia salina J. Presl & C. Presl - **Salt-marsh Sand-spurrey**. 2n = (18), 36.
Salt marshes, saline or brackish soils. [*S. marina* (Linnaeus) Besser var. *marina*; *S. marina* var. *leiosperma* (Kindberg) Gürke)]







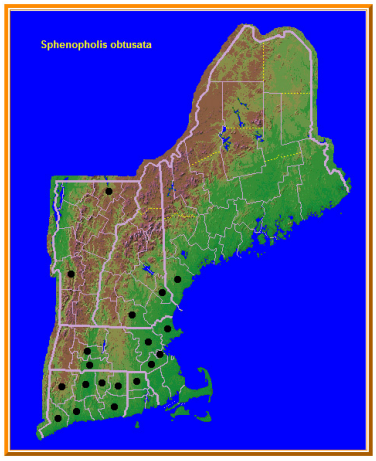
SPHAERALCEA (Family: Malvaceae)

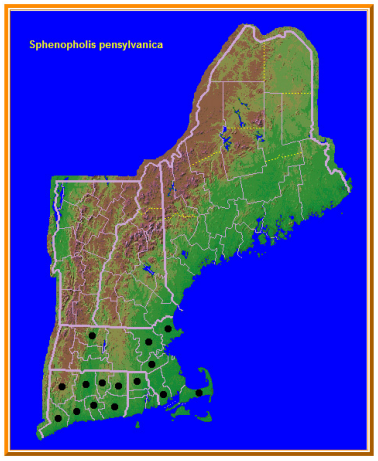
SPHAERALCEA MENDOCINA (Philippi) K. Schumann - . 2n = 30.
Wool waste. From South America.

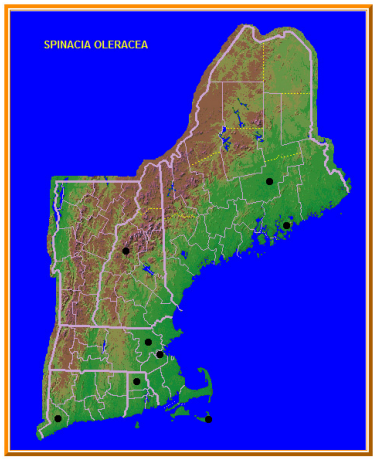
SPHENOPHOLIS (Family: Poaceae)

Sphenopholis intermedia Rydberg (Rydberg) - . 2n = 14.
Meadows, shores, damp slopes. [*S. obtusata* (Michaux) Scribner var. *major* (Torrey) Erdman]

Sphenopholis nitida (Biehler) Scribner - . 2n = 14.
Rich, rocky woods.





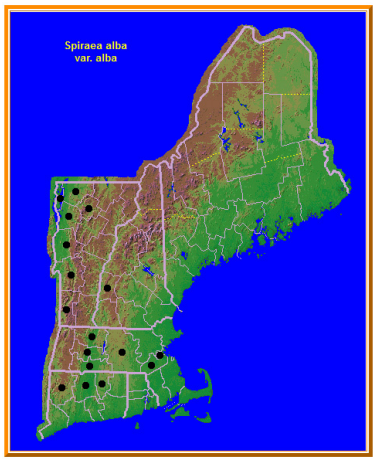


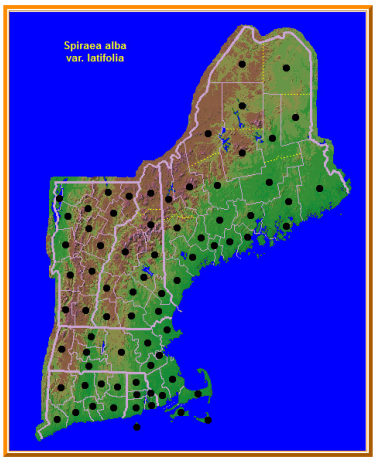
Sphenopholis obtusata (Michaux) Scribner - **Prairie Wedgegrass**. 2n = 14.
Wood borders, shores, dry ledges. [*S. obtusata* var. *lobata* (Trinius) Scribner *ex* B.L. Robinson; *S. obtusata* var. *pubescens* (Scribner & Merrill) Scribner *ex* B.L. Robinson]

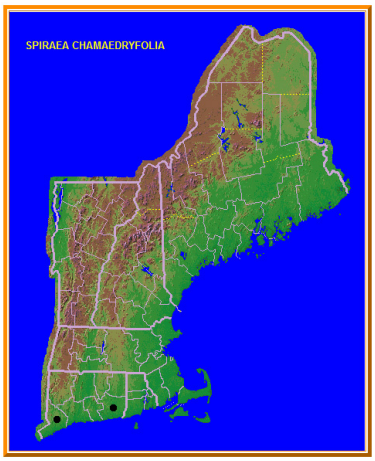
Sphenopholis pensylvanica (Linnaeus) Hitchcock - **Swamp Oats**. 2n = 14.
Meadows. [*Trisetum pensylvanicum* (Linnaeus) P. Beauvois *ex* Roemer & Schultes]

SPINACIA (Family: Amaranthaceae)

SPINACIA OLERACEA Linnaeus - **Spinach**. 2n = 12, (18), (24).
Waste places. From Eurasia, northern Africa.





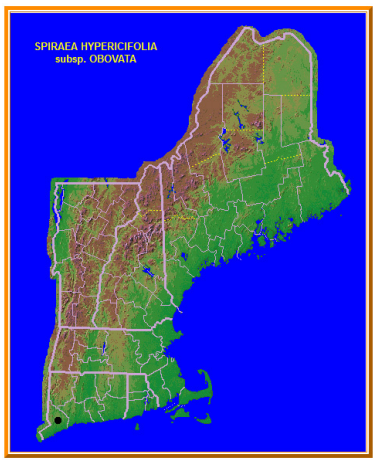


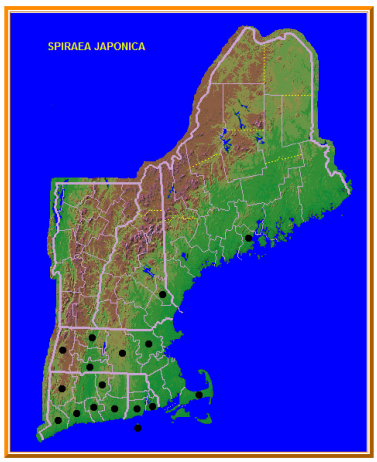
SPIRAEA (Family: Rosaceae)

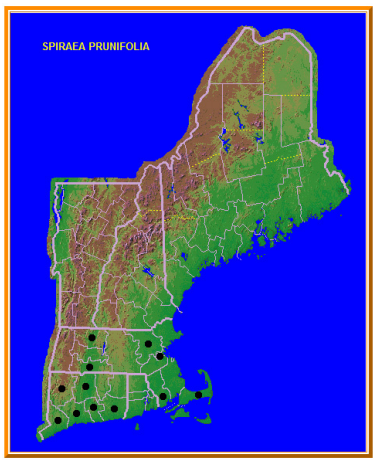
Spiraea alba Du Roi var. ***alba*** - **Hairy Meadowsweet**. 2n = 36.
Swamps, low, moist, open ground.

Spiraea alba Du Roi var. ***latifolia*** (Aiton) Dippel - **Smooth Meadowsweet**. 2n = 36, 54.
Low, open ground, alpine areas. [*S. alba* var. *septentrionalis* (Fernald) Fosberg; *S. latifolia* (Aiton) Borkhausen var. *latifolia*; *S. latifolia* var. *septentrionalis* Fernald; *S. septentrionalis* (Fernald) Á. Löve & D. Löve]

SPIRAEA CHAMAEDRYFOLIA Linnaeus - **Germander Meadowsweet**. 2n = (18), (32), 36.
Roadsides. From Eurasia. [*S. CHAMAEDRYFOLIA* var. *ULMIFOLIA* (Scopoli) Maximowicz]



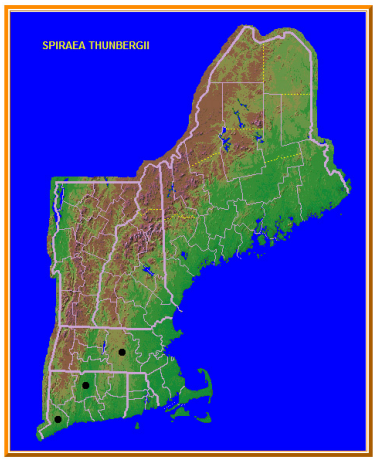


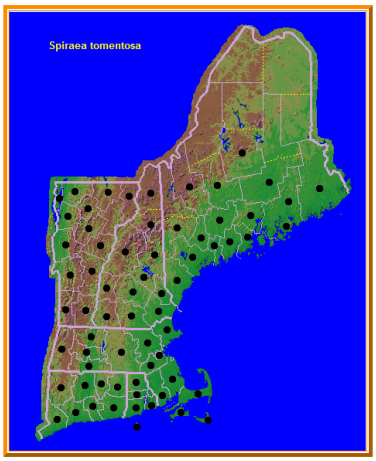


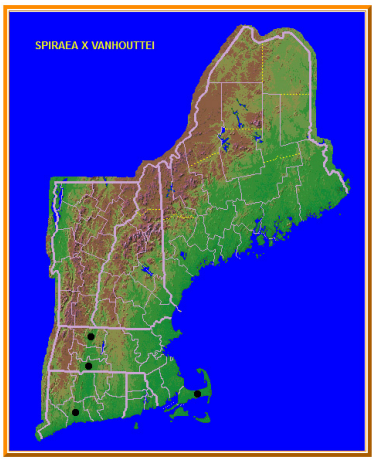
SPIRAEA HYPERICIFOLIA Linnaeus subsp. ***OBOVATA*** (Waldstein & Kitaibel *ex* Willdenow) Dostál - **Iberian Spiraea**. 2n = ?
Roadside in dry calcareous, sandy soil. From Europe.

SPIRAEA JAPONICA Linnaeus (son) - **Japanese Spiraea**. 2n = 36.
Roadsides, railroads, thickets. From eastern Asia.

SPIRAEA PRUNIFOLIA Siebold & Zuccarini - **Bridalwreath Spiraea**. 2n = 18.
Roadsides, waste places, rocky knolls. From eastern Asia.





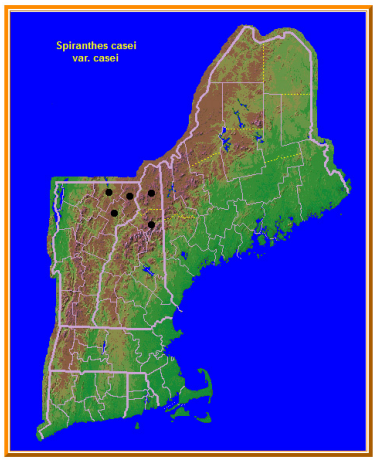


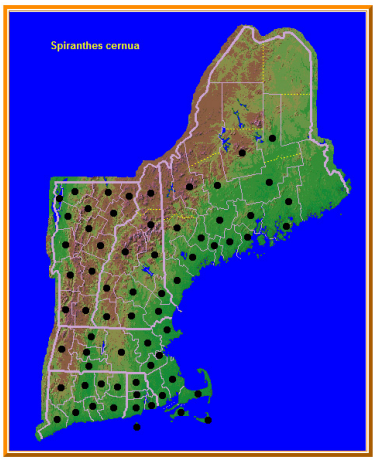
SPIRAEA THUNBERGII Siebold *ex* Blume - **Baby's-breath Spiraea**. 2n = 18.
Dry, sandy, fields, open woods, clearings, roadsides, shores. From China.

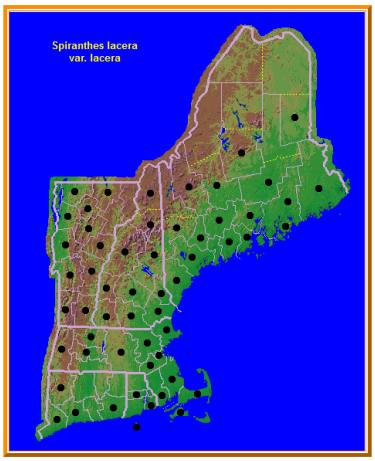
Spiraea tomentosa Linnaeus - **Hardhack**. 2n = 36.
Low, open, often moist, acidic soil, fields. [*S. tomentosa* var. *rosea* (Rafinesque) Fernald]

***Spiraea* hybrid**

SPIRAEA X ***VANHOUTTEI*** (Briot) Carrière (*pro species*) - .
[parentage uncertain; origin from cultivation]





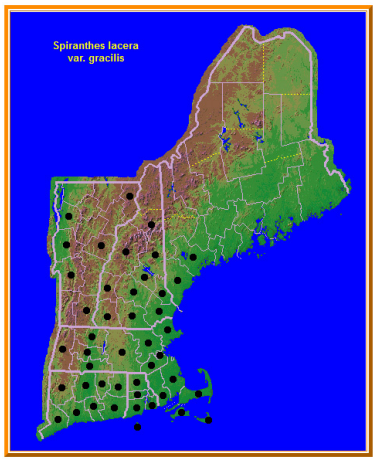


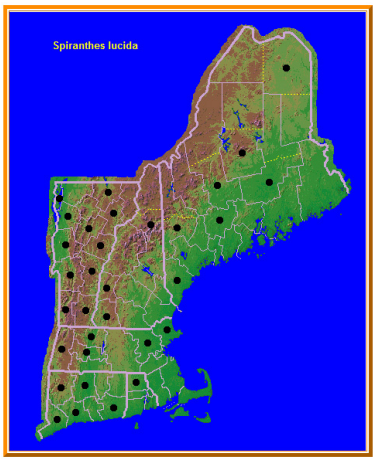
SPIRANTHES (Family: Orchidaceae)

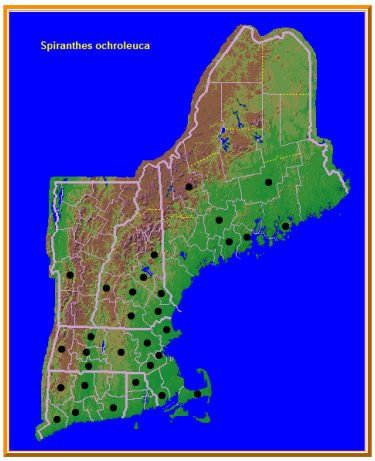
Spiranthes casei Catling & Cruise var. ***casei*** - . 2n = ?
Sandy, acid soils, roadsides, fields.

Spiranthes cernua (Linnaeus) Richard - **Nodding Ladies'-tresses**. 2n = 30, 45, 60.
Damp banks, meadows, bogs, shores, low thickets, open, moist sandy places. Note: The microspecies *S. arcisepala* M.C. Pace and *S. incurva* (Jenn) M.C. Pace are not generally separated from *S. cernua* in the major herbaria and would be included among the specimens mapped here.

Spiranthes lacera (Rafinesque) Rafinesque var. ***lacera*** - **Northern Slender Ladies'-tresses**. 2n = 30.
Open sandy places.



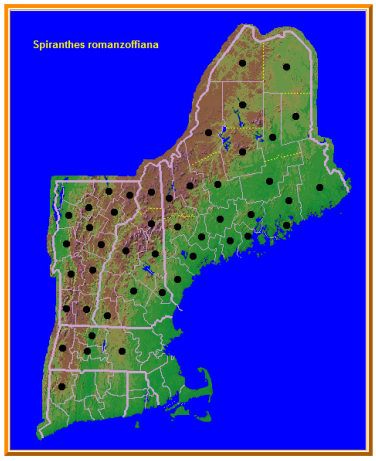


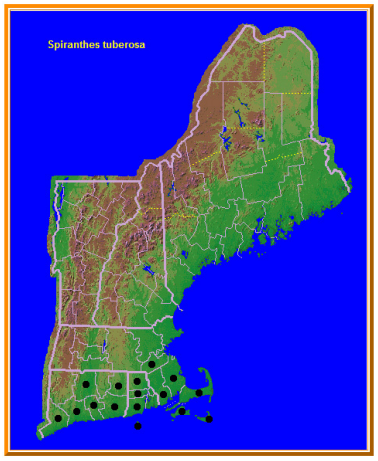


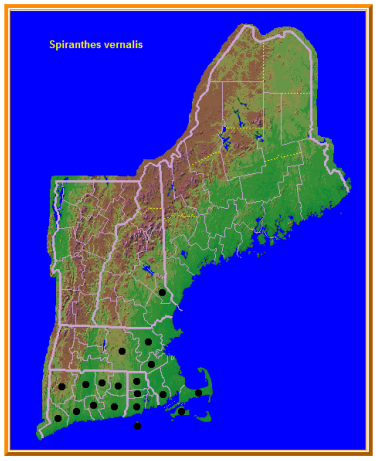
Spiranthes lacera (Rafinesque) Rafinesque var. ***gracilis*** (Bigelow) Luer - **Southern Slender Ladies'-tresses**. 2n = 30.
Sterile, open soils, thickets, or open woods. [*S. gracilis* (Bigelow) L.C. Beck]

Spiranthes lucida (H.H. Eaton) Ames - . 2n = 44.
Damp, rocky shores, meadows, rich, damp thickets, usually in basic soils.

Spiranthes ochroleuca (Rydberg) Rydberg - . 2n = 30.
Sterile fields, dry barrens, rocky slopes, open woods, roadsides. [*S. cernua* (Linnaeus) Richard var. *ochroleuca* (Rydberg) Ames]



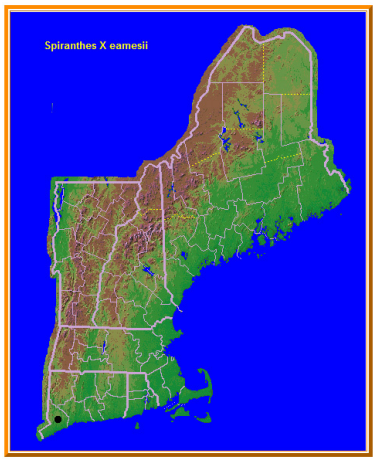


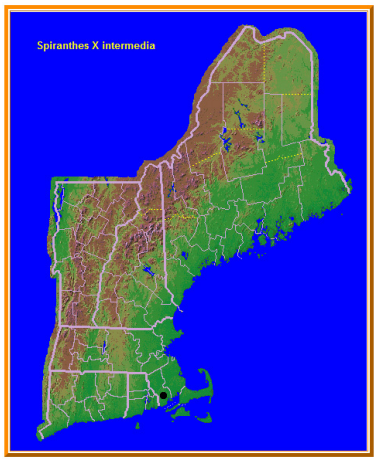


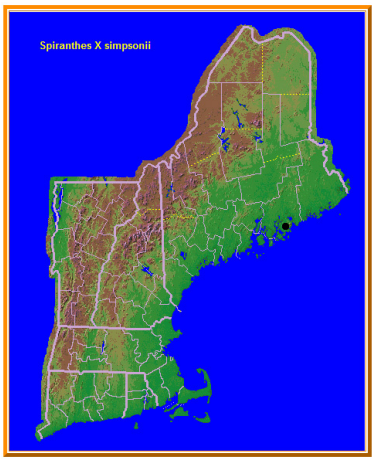
Spiranthes romanzoffiana Chamisso - **Hooded Ladies'-tresses**. 2n = 30, 44, 60.
Swampy places, often along rivers and ponds, thickets.

Spiranthes tuberosa Rafinesque - **Little Ladies'-tresses**. 2n = ?
Dry, sandy fields, woodland borders, cemeteries, roadsides. [*S. tuberosa* var. *grayi* (Ames) Fernald]

Spiranthes vernalis Engelmann & A. Gray - **Spring Ladies'-tresses**. 2n = 30.
Grasslands, sandy fields, clearings.





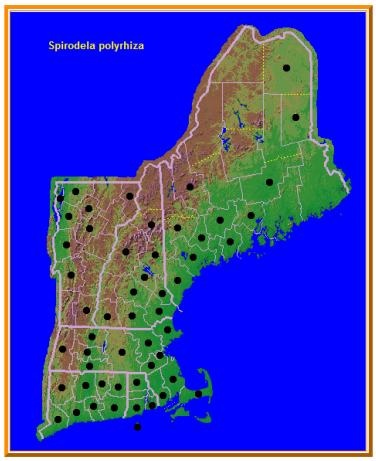


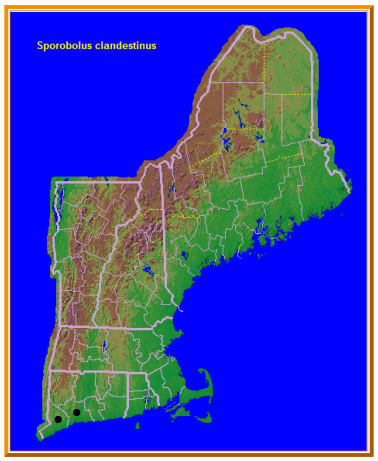
***Spiranthes* hybrids**

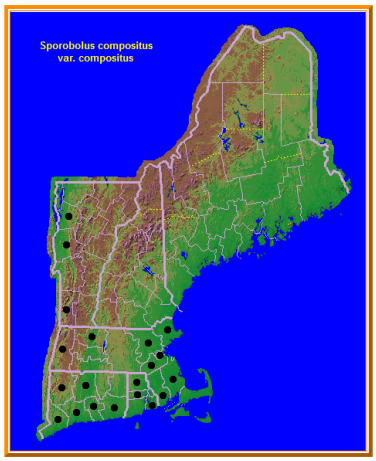
Spiranthes X ***eamesii*** P.M. Brown - .
[*S. lacera* (Rafinesque) Rafinesque *gracilis* (Bigelow) Luer X *S. tuberosa* Rafinesque]

Spiranthes X ***intermedia*** Ames - .
[*S. lacera* (Rafinesque) Rafinesque var. *lacera* X *S. vernalis* Engelmann & A. Gray]

Spiranthes X ***simpsonii*** Catling & Sheviak - .
[*Spiranthes lacera* (Rafinesque) Rafinesque var. *lacera* X *S. romanzoffiana* Chamisso]







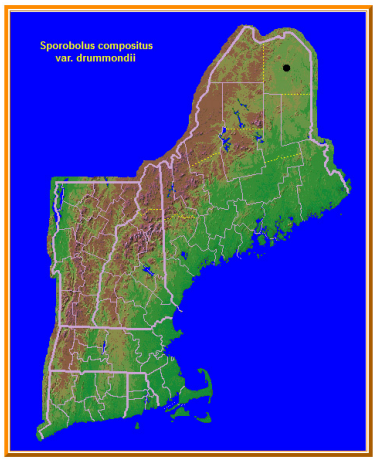
SPIRODELA (Family: Araceae)

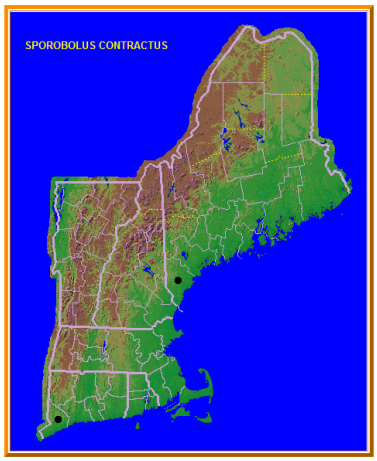
Spirodela polyrhiza (Linnaeus) Schleiden - **Water Flaxseed**. 2n = (30), (38), 40, (42), (50), (80).
Surface of quiet water of lakes, ponds, ditches and streams; muddy shores.

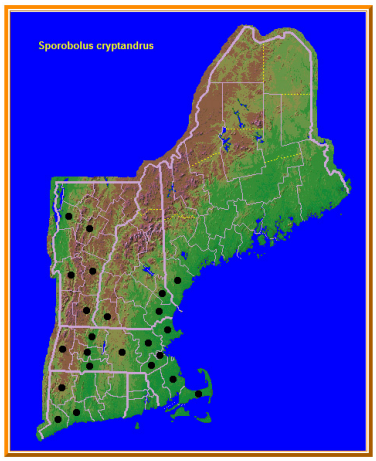
SPOROBOLUS (Family: Poaceae)

Sporobolus clandestinus (Biehler) Hitchcock - . 2n = 28, 54.
Dry, sandy or rocky soil.

Sporobolus compositus (Poiret) Merrill var. ***compositus*** - . 2n = 54, (ca. 88), (108).
Dry, sandy, open soil. [*S. asper* (P. Beauvois) Kunth]



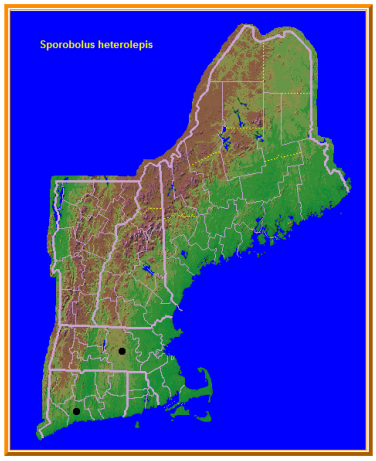


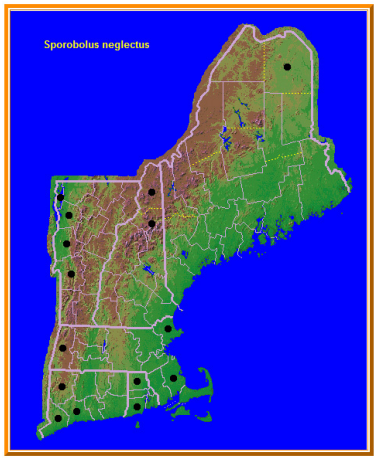


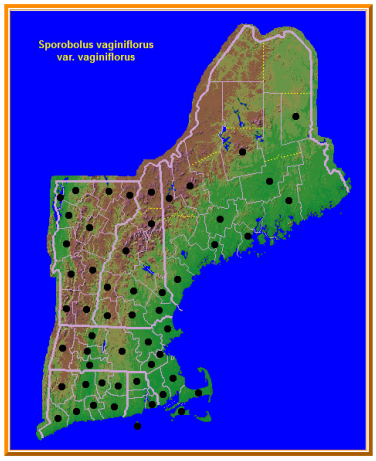
Sporobolus compositus (Poiret) Merrill var. ***drummondii*** (Trinius) Kartesz & Gandhi - . 2n = ?
River ledges. [*S. drummondii* (Trinius) Vasey]

SPOROBOLUS CONTRACTUS Hitchcock - **Spike Dropseed**. 2n = 36.
Sandy soil, waste places. From farther west. [*S. CRYPTANDRUS* (Torrey) A. Gray var. *STRICTUS* Scribner]

Sporobolus cryptandrus (Torrey) A. Gray - **Sand Dropseed**. 2n = (18), (36), 38, (72).
Sandy soil, usually near sea shores.



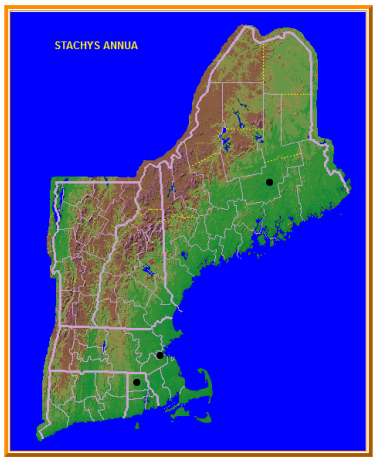


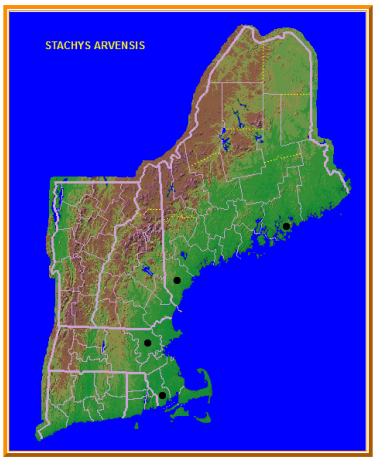


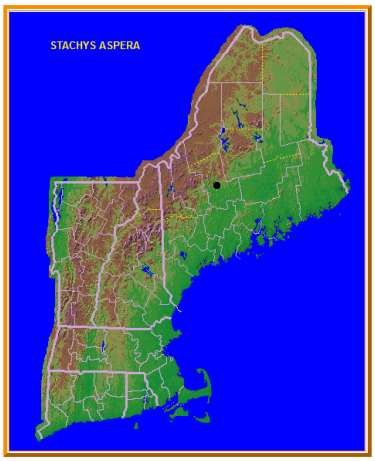
Sporobolus heterolepis (A. Gray) A. Gray - **Prairie Dropseed**. 2n = 72.
Dry trap (limestone or serpentine).

Sporobolus neglectus Nash - . 2n = 36.
Dry open soil.

Sporobolus vaginiflorus (Torrey *ex* A. Gray) Alph. Wood var. ***vaginiflorus*** - **Poverty Grass**. 2n = 54.
Roadsides, sandy fields, dry, open, sterile soil. [*S. vaginiflorus* var. *inaequalis* Fernald]





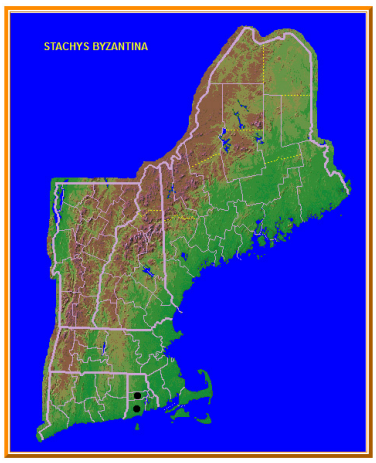


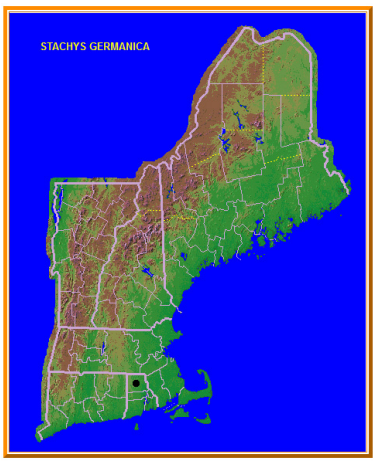
STACHYS (Family: Lamiaceae)

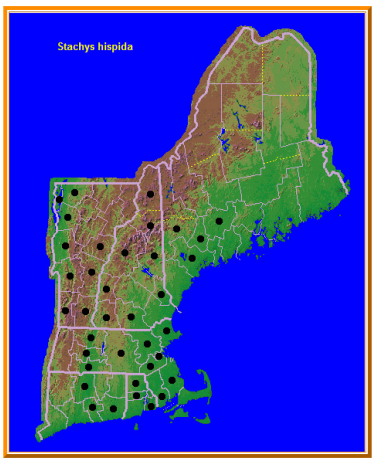
STACHYS ANNUA (Linnaeus) Linnaeus - . 2n = 34.
Waste places. From Eurasia.

STACHYS ARVENSIS (Linnaeus) Linnaeus - **Staggerweed**. 2n = 10.
Waste places. From Eurasia, northwestern Africa.

STACHYS ASPERA Michaux - . 2n = ca. 60, ca. 64, 68, 78, 83, 102.
Roadsides. From farther south and west. [*S. HYSSOPIFOLIA* Michaux var. *AMBIGUA* A. Gray]



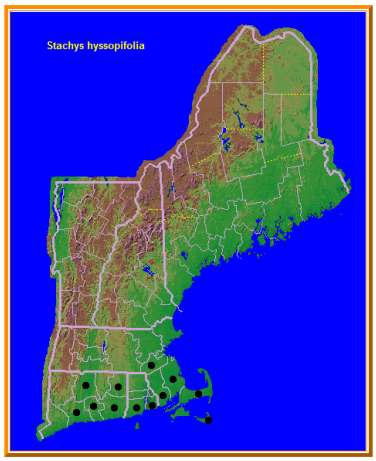


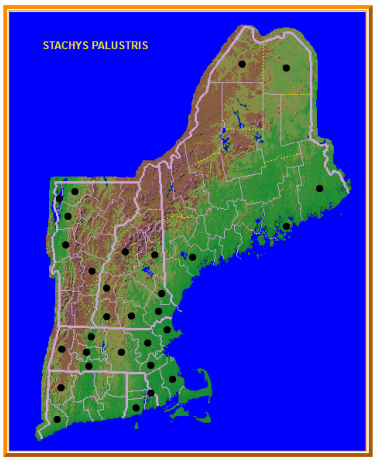


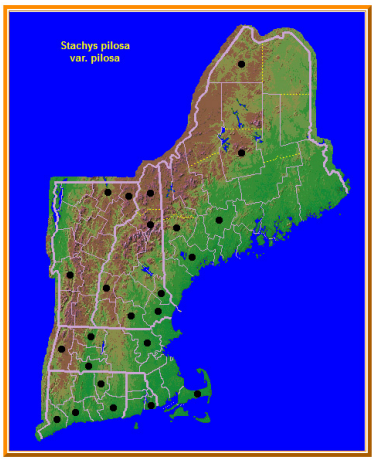
STACHYS BYZANTINA K. Koch - **Lamb's-ears**. 2n = 30, (34).
Waste places, fields, swamp margins. From Caucasus region.

STACHYS GERMANICA Linnaeus - . 2n = 30.
Waste places. From Eurasia, northwestern Africa.

Stachys hispida Pursh - . 2n = 64, 68.
Meadows, swamps, low woodlands, shores, damp thickets. [*S. tenuifolia* Willdenow var. *hispida* (Pursh) Fernald; *S. tenuifolia* Willdenow var. *platyphylla* misapplied]



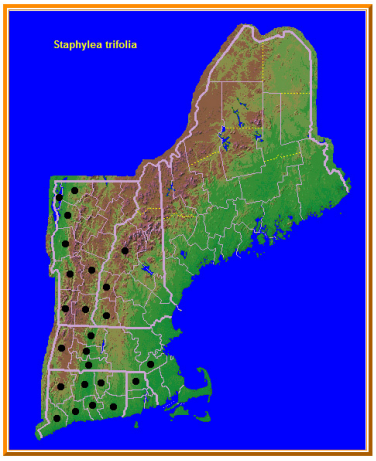


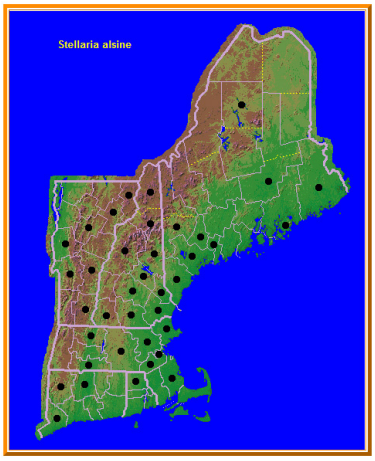


Stachys hyssopifolia Michaux - . 2n = 34.
Sandy pond shores.

STACHYS PALUSTRIS Linnaeus - **Woundwort**. 2n = (34), (48), 64, (66), (68), (96), (97), 102, (103), (104).
Shores, damp thickets, wet roadsides, low meadows, waste places. From Eurasia. [*S. PALUSTRIS* var. *ELLIPTICA* Clos; *S. PALUSTRIS* var. *SEGETUM* (Mutel) Grognier]

Stachys pilosa Nuttall var. ***pilosa*** - . 2n = 64, 68.
Shores, meadows, fields, low grounds. [*S. palustris* Linnaeus var. *homotricha* Fernald; *S. palustris* var. *nipigonensis* Jennings; *S. palustris* var. *pilosa* (Nuttall) Fernald]





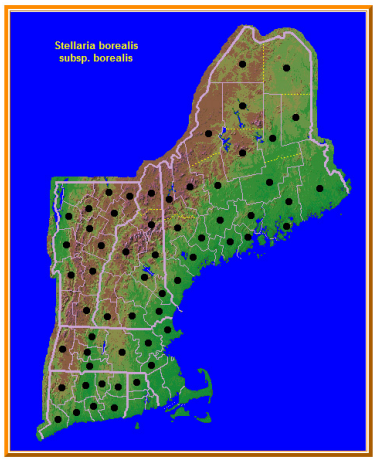
STACHYS PILOSA Nuttall var. ***ARENICOLA*** (Britton) G.A. Mulligan & D.B. Munro - . 2n = 68.
Wet grounds. From farther west.

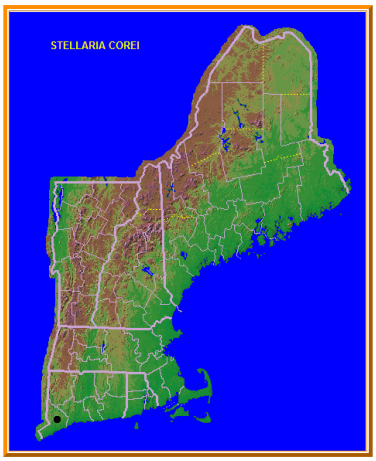
STAPHYLEA (Family: Staphyleaceae)

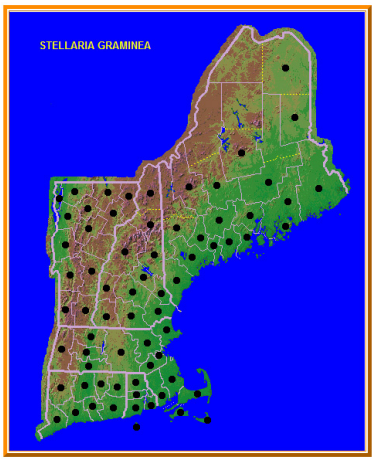
Staphylea trifolia Linnaeus - **American Bladdernut**. 2n = 78.
Rich woodland margins, thickets, roadsides.

STELLARIA (Family: Caryophyllaceae)

Stellaria alsine Grimm - **Bog Chickweed**. 2n = 24, (26), (36).
Brooksides, springy places, wet ditches.



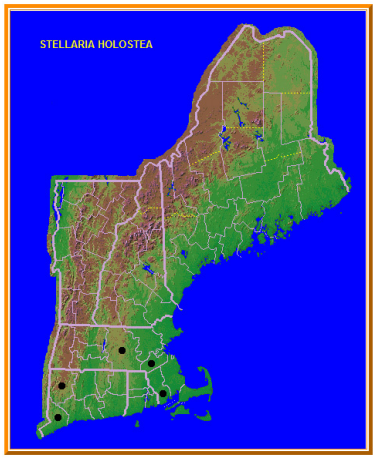


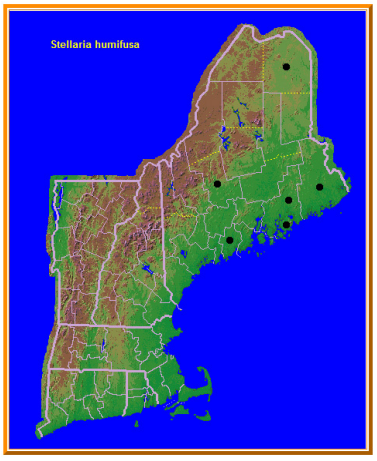


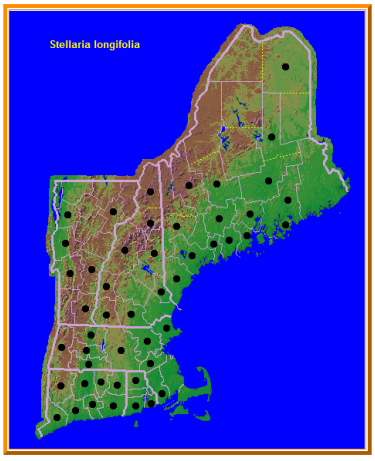
Stellaria borealis Bigelow subsp. ***borealis*** - **Northern Stitchwort**. 2n = 52.
Springy and other wet places. [*S. calycantha* (Ledebour) Bongard var. *calycantha* misapplied; *S. calycantha* var. *floribunda* (Fernald) Fernald; *S. calycantha* var. *isophylla* (Fernald) Fernald]

STELLARIA COREI Shinners - **Tennessee Chickweed**. 2n = 60.
Rocky woods. From farther west. [*S. pubera* Michaux var. *silvatica* (Béguinot) Weatherby]

STELLARIA GRAMINEA Linnaeus - **Common Stitchwort**. 2n = 26, 39, 52.
Fields, roadsides. From Europe.



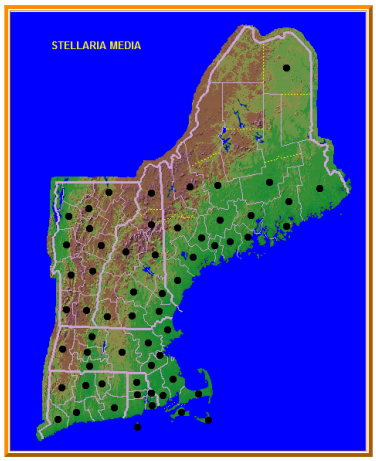




STELLARIA HOLOSTEA Linnaeus - **Greater Stitchwort**. 2n = 26.
Dry woods, roadsides. From Eurasia.

Stellaria humifusa Rottbøll - **Salt-marsh Stitchwort**. 2n = 26.
Salt marshes.

Stellaria longifolia Muhlenberg *ex* Willdenow - **Long-leaved Stitchwort**. 2n = 26.
River thickets, meadows.

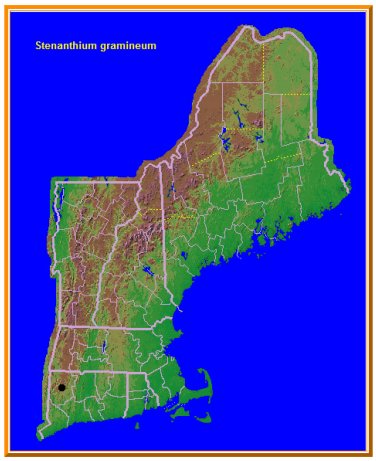


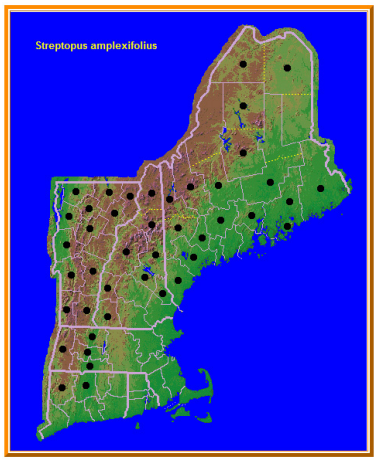
STELLARIA MEDIA (Linnaeus) Villars - **Common Chickweed**. 2n = (18), (26), (28), 40, 42, 44.
Waste places, open woodland. From Europe.

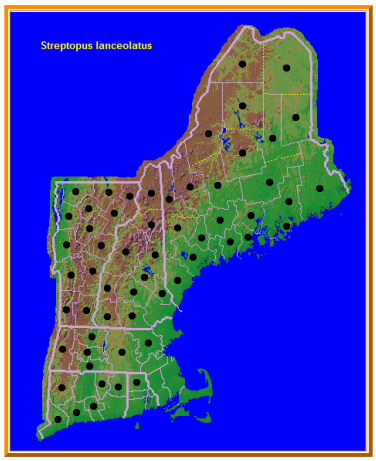
STELLARIA PUBERA Michaux - **Star Chickweed**. 2n = 30, 32.
Rich, deciduous woods, shaded rocky slopes. From farther south and west.

***Stellaria* hybrid**

Stellaria borealis Bigelow X ***S. longifolia*** Muhlenberg *ex* Willdenow - .







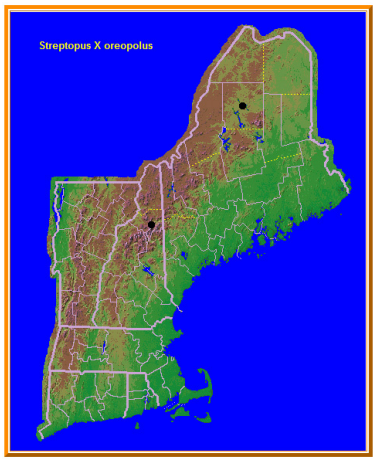
STENANTHIUM (Family: Melanthiaceae)

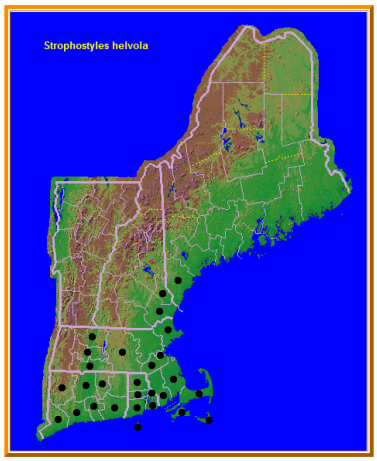
Stenanthium gramineum (Ker Gawler) Morong - **Featherbells**. 2n = 20.
Pond shores.

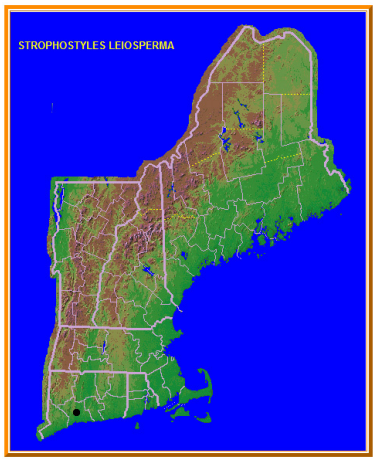
STREPTOPUS (Family: Liliaceae)

Streptopus amplexifolius (Linnaeus) de Candolle - **Twisted Stalk**. 2n = 16, 32.
Rich, damp woods and thickets. [*S. amplexifolius* var. *americanus* Schultes & Schultes (son)]

Streptopus lanceolatus (Aiton) Reveal - **Rose Mandarin**. 2n = 16, (32), (48).
Rich, damp, cool woods and thickets. [*S. roseus* Michaux var. *longipes* (Fernald) Fassett; *S. roseus* var. *perspectus* Fassett]







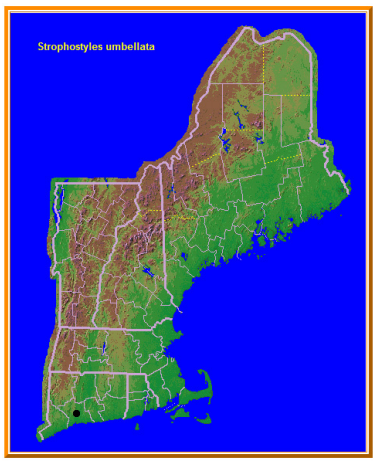
***Streptopus* hybrid**

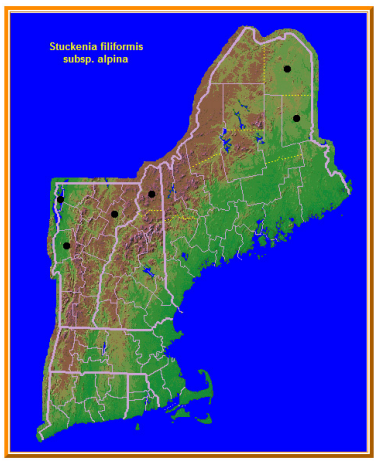
Streptopus X ***oreopolus*** Fernald (*pro species*) - .
Subalpine woods and meadows. [*S. amplexifolius* (Linnaeus) de Candolle X *S. lanceolatus* (Aiton) Reveal; *S. amplexifolius* var. *oreopolus* (Fernald) Fassett]

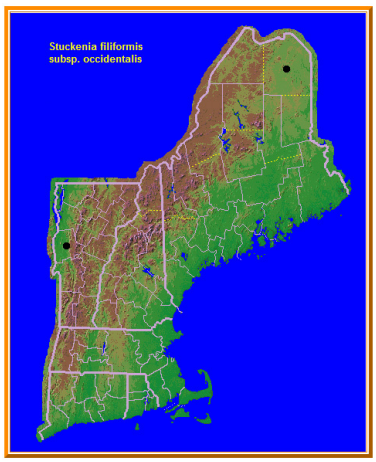
STROPHOSTYLES (Family: Fabaceae)

Strophostyles helvola (Linnaeus) Elliott - **Trailing Wild Bean**. 2n = 22.
Sandy or gravelly soil, usually near coast, shores, marsh margins, railroads, fields, roadsides.

STROPHOSTYLES LEIOSPERMA (Torrey & A. Gray) Piper - . 2n = ?
Old gravel or sand pits. From farther west.





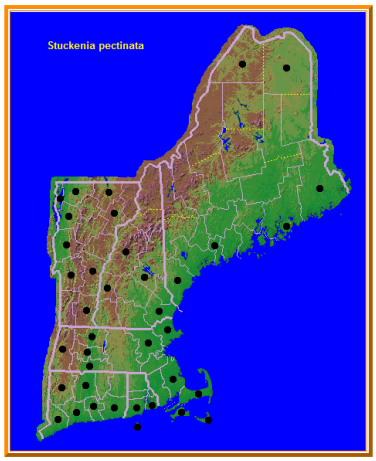


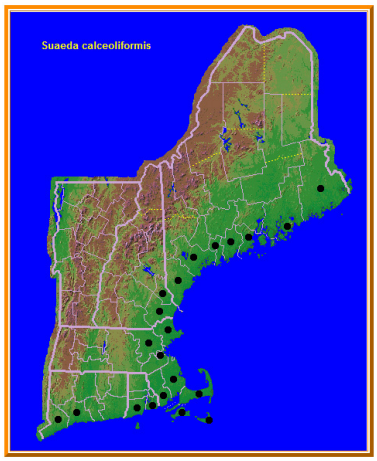
Strophostyles umbellata (Muhlenberg *ex* Willdenow) Britton - **Perennial Wild Bean**. 2n = 22, (44).
Beaches.

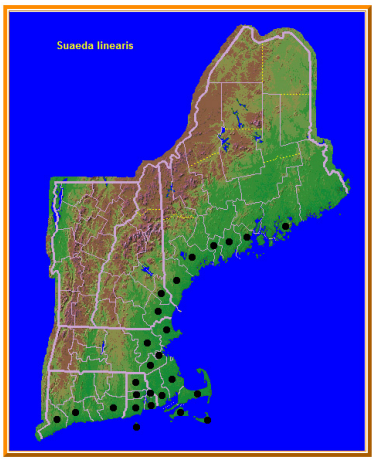
STUCKENIA (Family: Potamogetonaceae)

Stuckenia filiformis (Persoon) Börner subsp. ***alpina*** (Blytt) R.R. Haynes, Les & M. Král - . 2n = 78.
Highly alkaline water of cold springs and lakes. [*Potamogeton filiformis* Persoon var. *borealis* (Rafinesque) H. St. John; *P. filiformis* var. *macounii* (Morong *ex* Macoun) Morong]

Stuckenia filiformis (Persoon) Börner subsp. ***occidentalis*** (J.W. Robbins) R.R. Haynes, Les & M. Král - . 2n = ?
Highly alkaline water of cold streams.





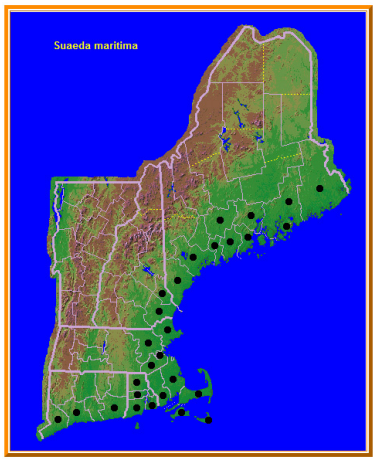


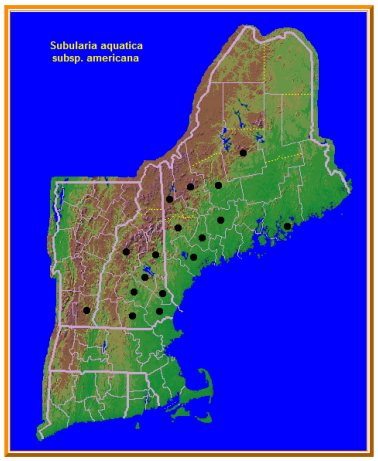
Stuckenia pectinata (Linnaeus) Börner - **Sago**. 2n = (42), (ca. 66), 78, (84), (86).
Brackish or alkaline waters. [*Potamogeton pectinatus* Linnaeus]

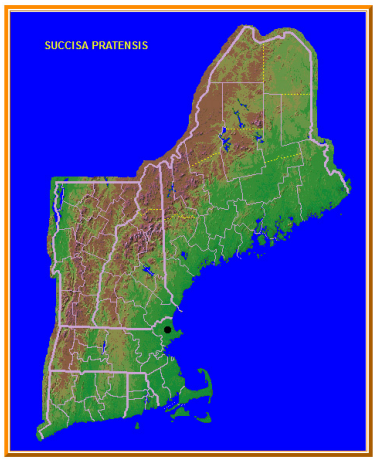
SUAEDA (Family: Amaranthaceae)

Suaeda calceoliformis (Hooker) Moquin-Tandon - **Horned Sea-blite**. 2n = 54.
Salt marshes, sea beaches. [*S. americana* (Persoon) Fernald]

Suaeda linearis (Elliott) Moquin-Tandon - **Southern Sea-blite**. 2n = 30, 54.
Salt marshes, sea beaches.







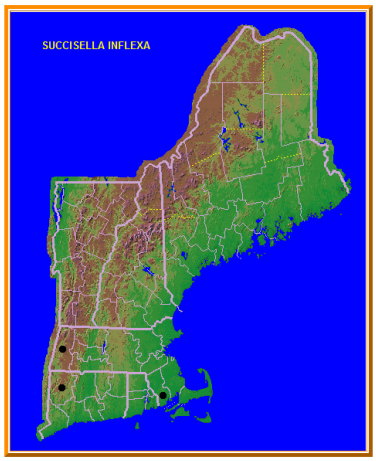
Suaeda maritima (Linnaeus) Dumortier - **White Sea-blite**. 2n = 18, 36, (72).
Salt marshes, sea beaches. [*S. richii* Fernald]

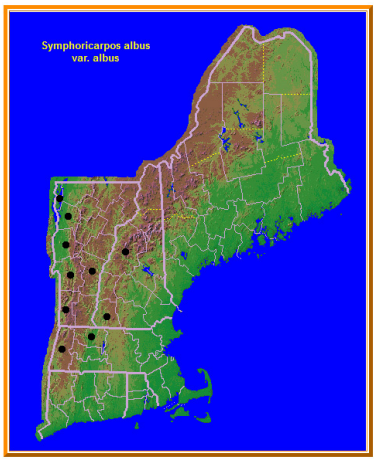
SUBULARIA (Family: Brassicaceae)

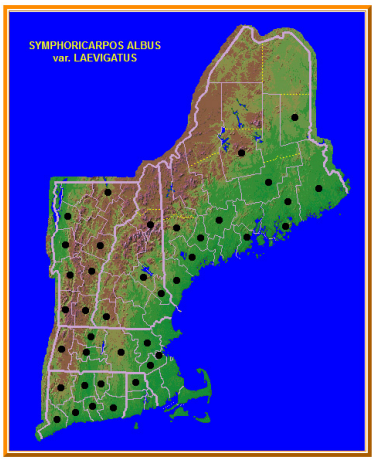
Subularia aquatica Linnaeus subsp. ***americana*** G.A. Mulligan & Calder - **Awlwort**. 2n = 28, 30.
Submersed at sandy lake shores.

SUCCISA (Family: Caprifoliaceae)

SUCCISA PRATENSIS Moench - . 2n = (16), (18), 20.
Riverbanks, fields. From Eurasia.







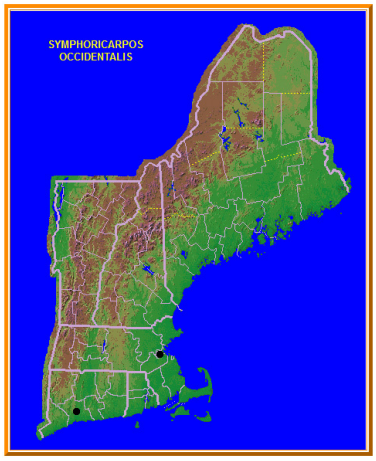
SUCCISELLA (Family: Caprifoliaceae)

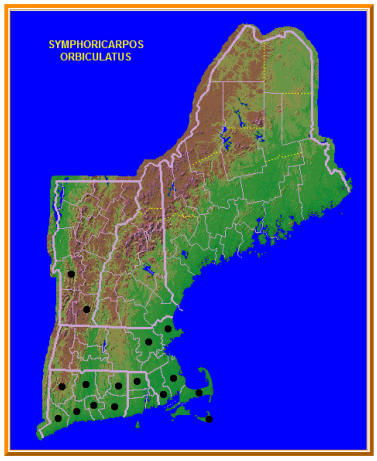
SUCCISELLA INFLEXA (Kluk) Beck - . 2n = (16), 20.
Low, swampy ground, river meadows. From Europe. [*SUCCISA AUSTRALIS* (Wulfen) Reichenbach]

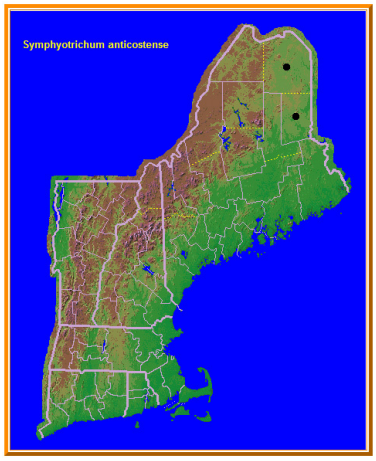
SYMPHORICARPOS (Family: Caprifoliaceae)

Symphoricarpos albus (Linnaeus) S.F. Blake var. ***albus*** - **Common Snowberry**. 2n = (36), 54.
Wooded, calcareous ledges.

SYMPHORICARPOS ALBUS (Linnaeus) S.F. Blake var. ***LAEVIGATUS*** (Fernald) S.F. Blake - . 2n = 72.
Roadsides, wooded hillsides, usually near habitation. From farther west.





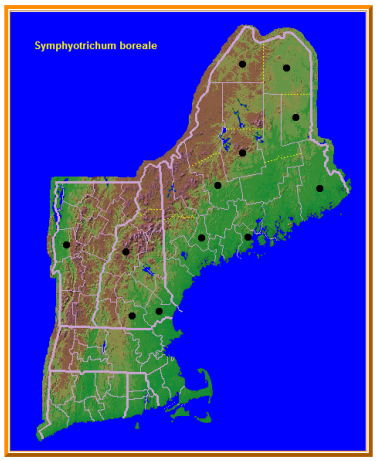


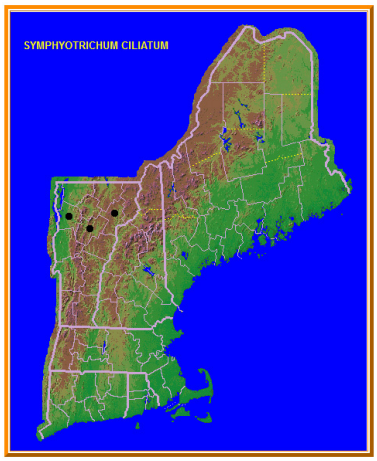
SYMPHORICARPOS OCCIDENTALIS Hooker - **Wolfberry**. 2n = 36.
Waste places. From farther west.

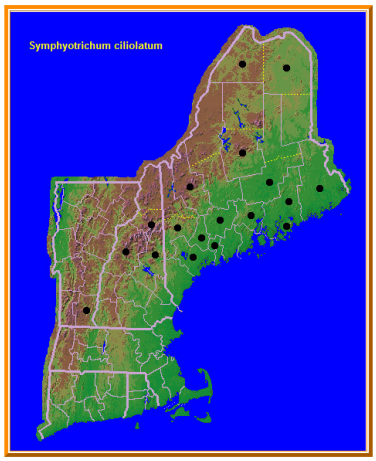
SYMPHORICARPOS ORBICULATUS Moench - **Coralberry**. 2n = 18.
Roadsides, fencerows, waste places, meadows. From farther west and south.

SYMPHYOTRICHUM (Family: Asteraceae)

Symphyotrichum anticostense (Fernald) G.L. Nesom - . 2n = 80.
Gravelly, river shores. [*Aster anticostensis* Fernald]



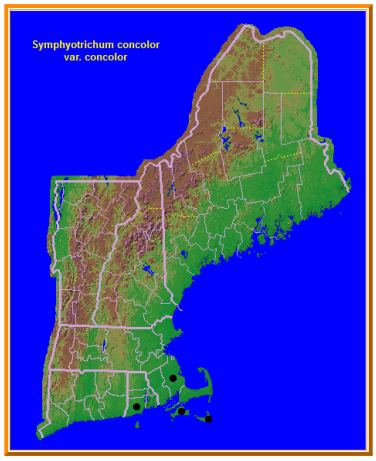


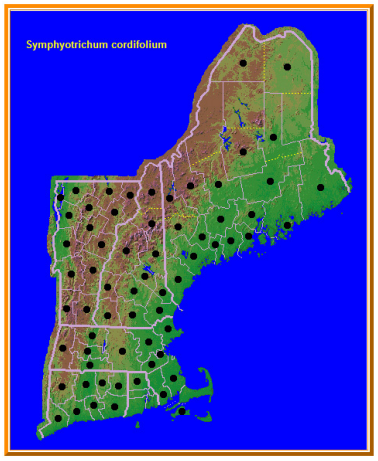


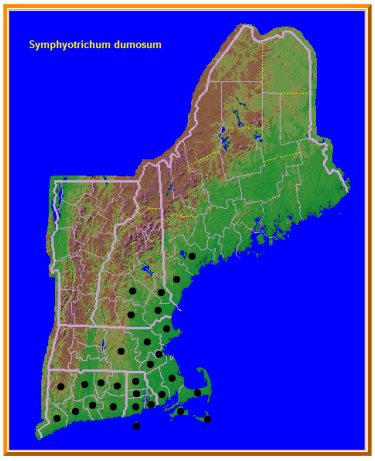
Symphyotrichum boreale (Torrey & A. Gray) Á. Löve & D. Löve - **Northern Bog Aster**. 2n = 16, 32, 48, 64.
Bogs, swamps, shores, mostly in calcareous areas. [*Aster borealis* (Torrey & A. Gray) Provancher; *A. junciformis* Rydberg]

SYMPHYOTRICHUM CILIATUM (Ledebour) G.L. Nesom - **Rayless Aster**. 2n = 14, (18).
Roadsides, waste places. From farther west. [*ASTER BRACHYACTIS* S.F. Blake]

Symphyotrichum ciliolatum (Lindley) Á. Löve & D. Löve - . 2n = (24), 48, (72).
Dry woods, thickets, shores, clearings, roadsides. [*Aster ciliolatus* Lindley]



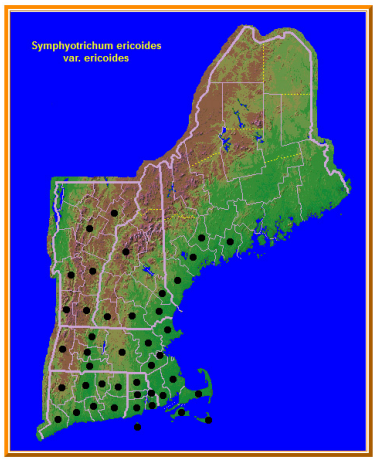


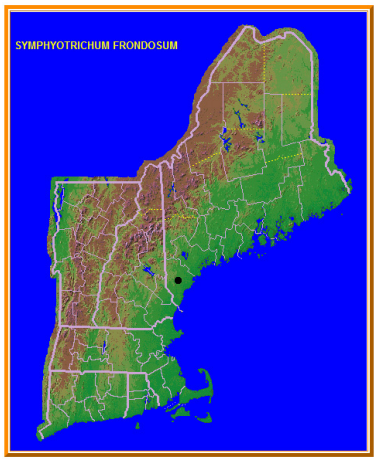


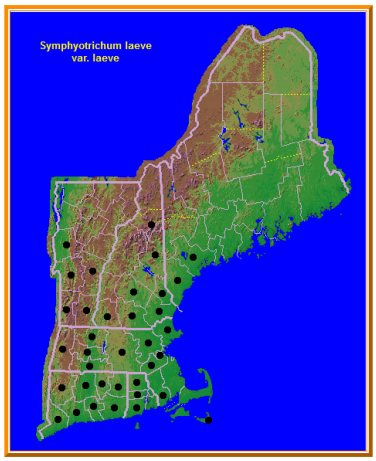
Symphyotrichum concolor (Linnaeus) G.L. Nesom var. ***concolor*** - **Eastern Silvery Aster**. 2n = 8, 16.
Dry, open, sandy woods, fields and barrens, roadsides. [*Aster concolor* Linnaeus]

Symphyotrichum cordifolium (Linnaeus) G.L. Nesom - **Common Blue Wood Aster**. 2n = 16, (18), 32, (48).
Thickets, open woods, clearings, fields, roadsides, often in moist soil. [*Aster cordifolius* Linnaeus var. *cordifolius*; *A. cordifolius* var. *furbishiae* Fernald; *A. cordifolius* var. *polycephalus* Porter; *A. cordifolius* var. *racemiflorus* Fernald; *A. lowrieanus* Porter var. *lowrieanus*; *A. lowrieanus* var. *lanceolatus* (Porter) Porter; *A. sagittifolius* Wedemeyer *ex* Willdenow]

Symphyotrichum dumosum (Linnaeus) G.L. Nesom - **Rice-button Aster**. 2n = (8), 16, 32, 64.
Dry, open woods, fields, thickets, roadsides. [*Aster dumosus* Linnaeus var. *dumosus*; *A. dumosus* var. *cordifolius* (Michaux) Torrey & A. Gray; *A. dumosus* var. *strictior* Torrey & A. Gray; *A. dumosus* var. *subulifolius* Torrey & A. Gray]



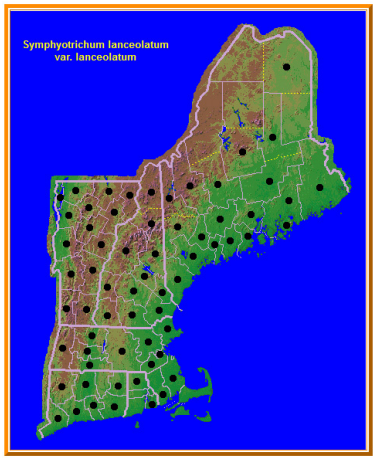


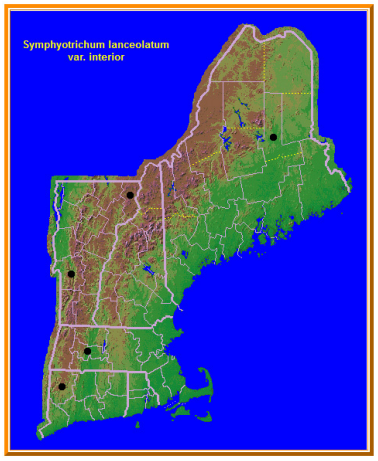


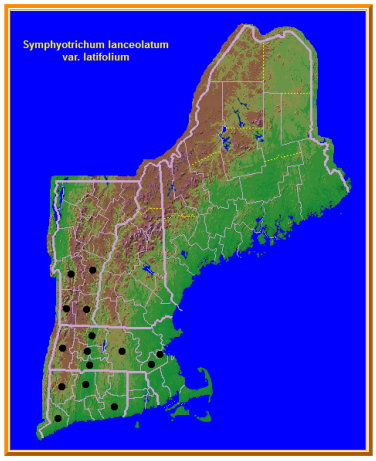
Symphyotrichum ericoides (Linnaeus) G.L. Nesom var. ***ericoides*** - **White Heath Aster**. 2n = 10, 20, (32).
Dry fields and clearings, dry, open woods, waste places, roadsides, sometimes in moist, open, sandy sites. [*Aster ericoides* Linnaeus]

SYMPHYOTRICHUM FRONDOSUM (Nuttall) G.L. Nesom - . 2n = 14, 16.
Wool waste. From farther west. [*Aster frondosus* (Nuttall) Torrey & A. Gray]

Symphyotrichum laeve (Linnaeus) Á. Löve & D. Löve var. ***laeve*** - **Smooth Aster**. 2n = (24), 48, (ca. 56).
Dry fields, open woods, roadsides, dry, open, sites. [*Aster laevis* Linnaeus]



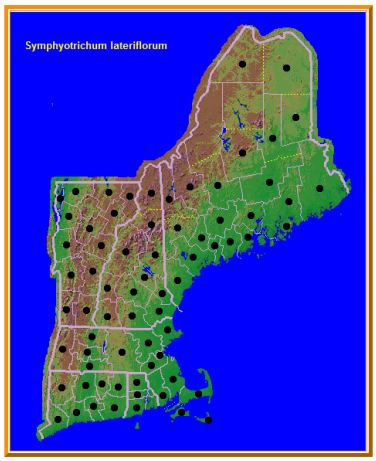


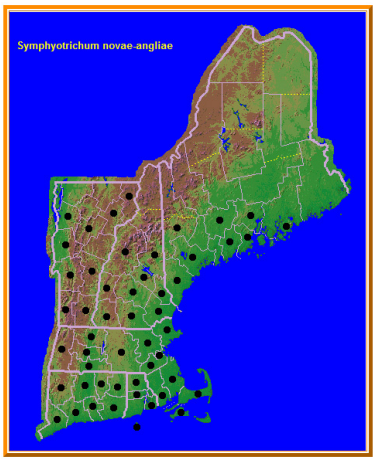


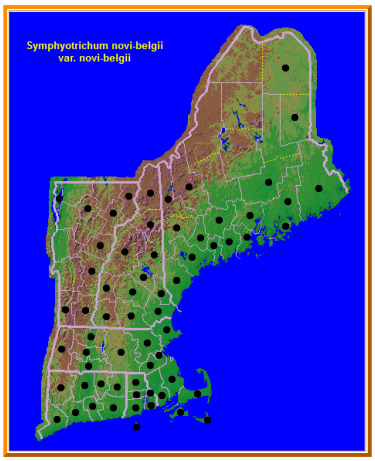
Symphyotrichum lanceolatum (Willdenow) G.L. Nesom var. ***lanceolatum*** - **Panicled Aster**. 2n = 32, (40), 48, (56), 64.
Meadows, wet thickets, shores. [*Aster lanceolatus* Willdenow var. *lanceolatus*; *A. lanceolatus* var. *simplex* (Willdenow) A.G. Jones; *A. simplex* Willdenow var. *simplex*; A. simplex var. *ramosissimus* (Torrey & A. Gray) Cronquist]

Symphyotrichum lanceolatum (Willdenow) G.L. Nesom var. ***interior*** (Wiegand) G.L. Nesom - . 2n = 48, 64.
Gravelly or rocky shores, often calcareous. [*Aster lanceolatus* Willdenow var. *interior* Semple & Chmielewski; *A. simplex* Willdenow var. *interior* (Wiegand) Cronquist]

Symphyotrichum lanceolatum (Willdenow) G.L. Nesom var. ***latifolium*** (Semple & Chmielewski) G.L. Nesom - . 2n = 48, 64.
Thickets, woods margins, shores.



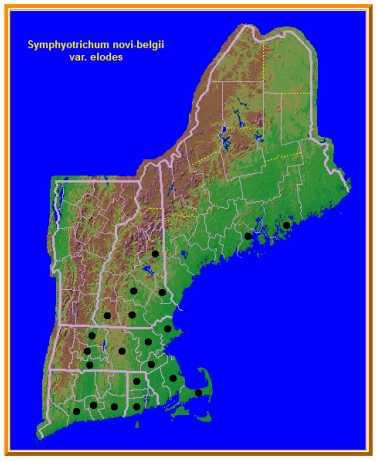


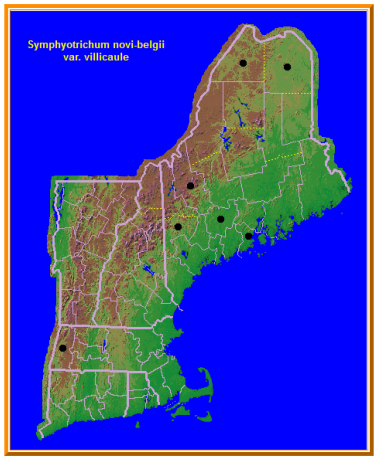


Symphyotrichum lateriflorum (Linnaeus) Á. Löve & D. Löve - **Calico Aster**. 2n = 16, 32, (48), (64).
Woods, swamps, fields, thickets, clearings, shores, meadows, moist ledges, roadsides. [*Aster lateriflorus* (Linnaeus) Britton var. *lateriflorus*; *A. lateriflorus* var. *angustifolius* Wiegand; *A. lateriflorus* var. *pendulus* (Aiton) E.S. Burgess; *A. lateriflorus* var. *tenuipes* Wiegand; *A. vimineus* Lamarck]

Symphyotrichum novae-angliae (Linnaeus) G.L. Nesom - **New England Aster**. 2n = 10, (20).
Fields, damp thickets, shores, meadows, clearings, open woods, roadsides. [*Aster novae-angliae* Linnaeus]

Symphyotrichum novi-belgii (Linnaeus) G.L. Nesom var. ***novi-belgii*** - **New York Aster**. 2n = 48, (54), 64, 80.
Swamps, salt marshes, damp thickets, shores, sea beaches, moist woods, meadows, roadsides. [*Aster foliaceus* misapplied; *A. foliaceus* Lindley *ex* de Candolle var. *arcuans* Fernald; *A. johannensis* Fernald var. *johannensis*; *A. longifolius* Lamarck; *A. novi-belgii* Linnaeus var. *novi-belgii*]

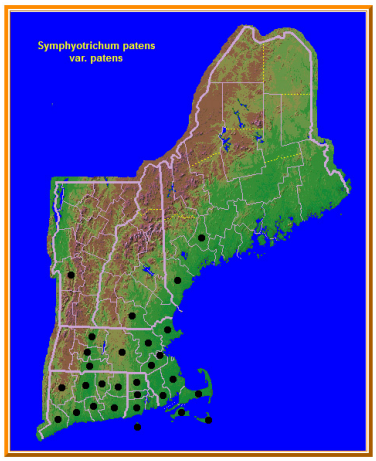


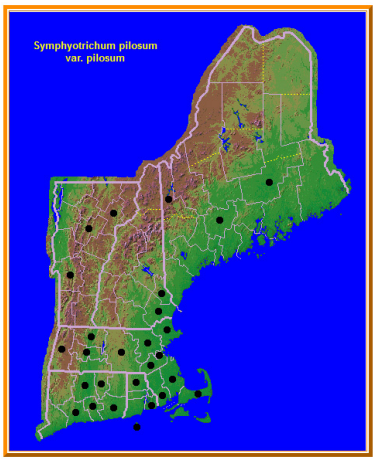


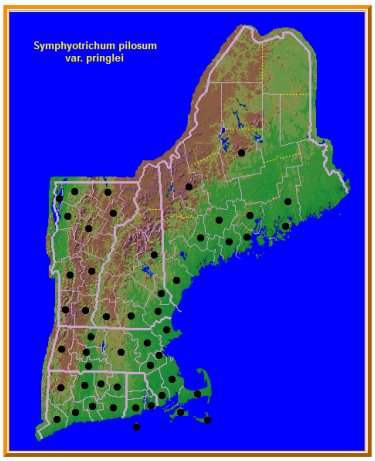
Symphyotrichum novi-belgii (Linnaeus) G.L. Nesom var. ***elodes*** (Torrey & A. Gray) G.L. Nesom - . 2n = 48.
Salt marshes, pine barrens. [*Aster novi-belgii* Linnaeus var. *elodes* (Torrey & A. Gray) A. Gray]

Symphyotrichum novi-belgii (Linnaeus) G.L. Nesom var. ***villicaule*** (A. Gray) Labrecque & Brouillet - . 2n = 48.
Gravelly or rocky, river shores, ledges. [*Aster johannensis* Fernald var. *villicaulis* (A. Gray) Fernald]

Symphyotrichum ontarionis (Wiegand) G.L. Nesom var. ***ontarionis*** - . 2n = 32.
Thickets, meadows, alluvial woods and shores, often in calcareous soil. [*Aster ontarionis* Wiegand]



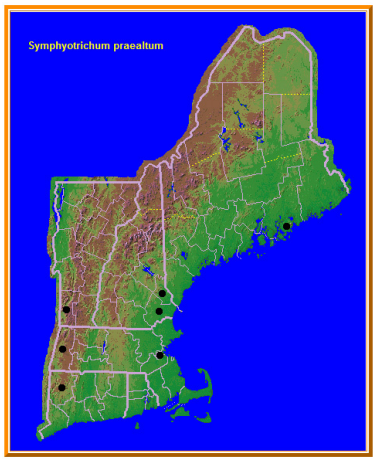


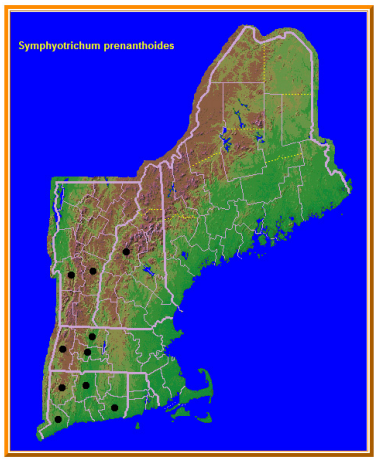


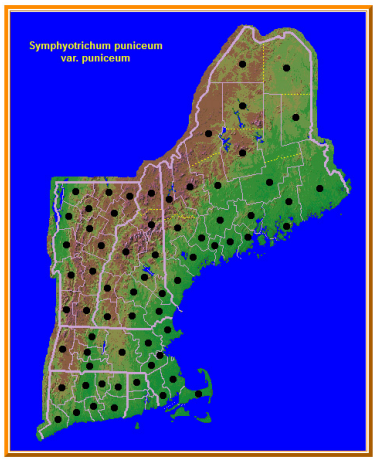
Symphyotrichum patens (Aiton) G.L. Nesom var. ***patens*** - **Late Purple Aster**. 2n = 10, 20, (50).
Dry fields, open woods, clearings and roadsides. [*Aster patens* Aiton var. *patens*]

Symphyotrichum pilosum (Willdenow) G.L. Nesom var. ***pilosum*** - **Frost Aster**. 2n = (24), 32, (40), 48.
Dry fields, thickets, open woods, clearings and roadsides, often in sandy soil. [*Aster pilosus* Willdenow var. *pilosus*]

Symphyotrichum pilosum (Willdenow) G.L. Nesom var. ***pringlei*** (A. Gray) G.L. Nesom - . 2n = 48, (56).
Rocky, gravelly or sandy soil, often calcareous. [*Aster pilosus* Willdenow var. *demotus* S.F. Blake; *A. pilosus* var. *pringlei* (A. Gray) S.F. Blake]



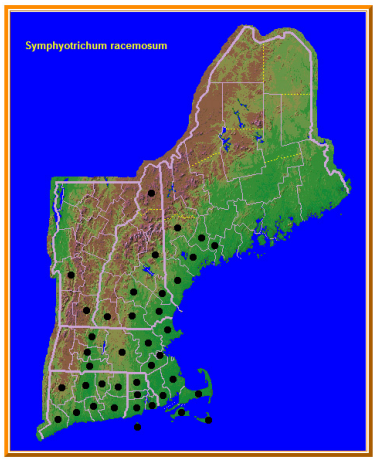


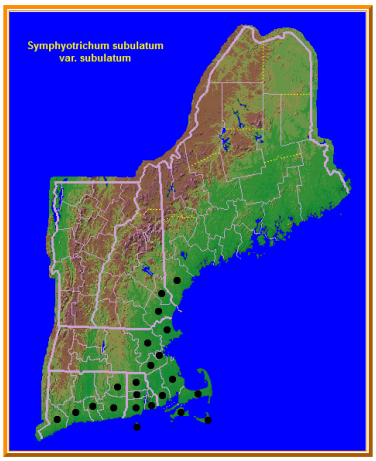


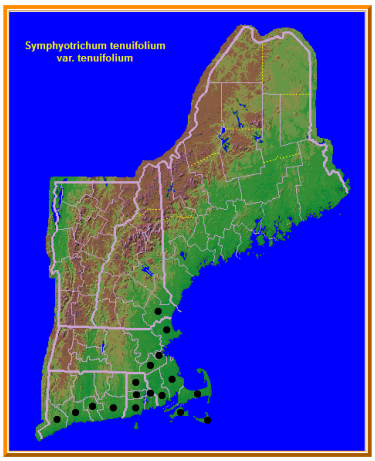
Symphyotrichum praealtum (Poiret) G.L. Nesom - **Willow Aster**. 2n = 32, 48, 64.
Low thickets and woods, meadows. [*Aster praealtus* Poiret var. *praealtus*; *A. praealtus* var. *angustior* Wiegand]

Symphyotrichum prenanthoides (Muhlenberg *ex* Willdenow) G.L. Nesom - **Zigzag Aster**. 2n = 32.
Moist thickets and fields, rich woods, shores, roadsides. [*Aster prenanthoides* Muhlenberg *ex* Willdenow]

Symphyotrichum puniceum (Linnaeus) Á. Löve & D. Löve var. ***puniceum*** - **Swamp Aster**. 2n = 16, (32), (36).
Low thickets, woods, swamps, meadows, shores, ditches, roadsides. [*S. firmum* (Nees) G.L. Nesom; *Aster puniceus* Linnaeus var. *puniceus*; *A. puniceus* var. *compactus* Fernald; *A. puniceus* var. *firmus* (Nees) Torrey & A. Gray; *A. puniceus* var. *oligocephalus* Fernald; *A. puniceus* var. *perlongus* Fernald]



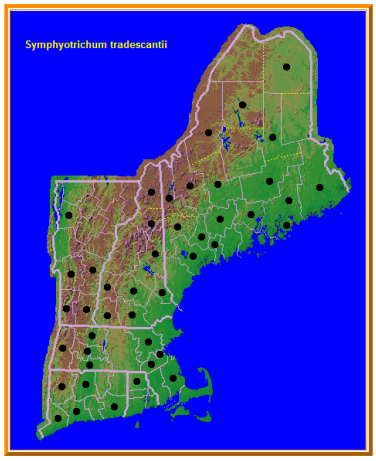


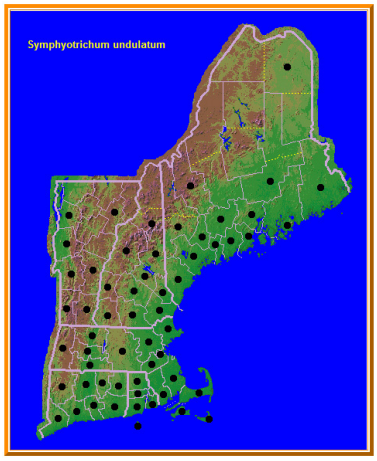


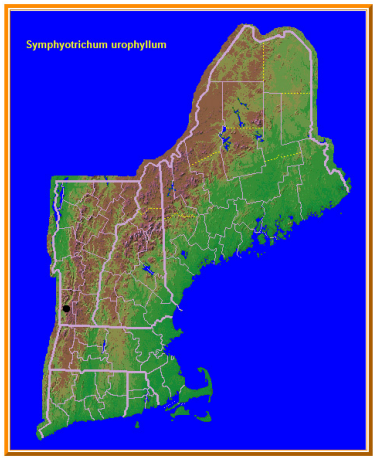
Symphyotrichum racemosum (Elliott) G.L. Nesom - **Small White Aster**. 2n = 16, 32.
Fields, meadows, shores, woods, clearings, roadsides. [*Aster vimineus* misapplied; *A. vimineus* Lamarck var. *subdumosus* Wiegand]

Symphyotrichum subulatum (Michaux) G.L. Nesom var. ***subulatum*** - **Annual Saltmarsh Aster**. 2n = 10.
Salt marshes, salted highways. [*Aster subulatus* Michaux var. *subulatus*; *A. subulatus* var. *euroauster* Fernald & Griscom]

Symphyotrichum tenuifolium (Linnaeus) G.L. Nesom var. ***tenuifolium*** - **Perennial Saltmarsh Aster**. 2n = 10, (20).
Salt marshes, tidal shores. [*Aster tenuifolius* Linnaeus]



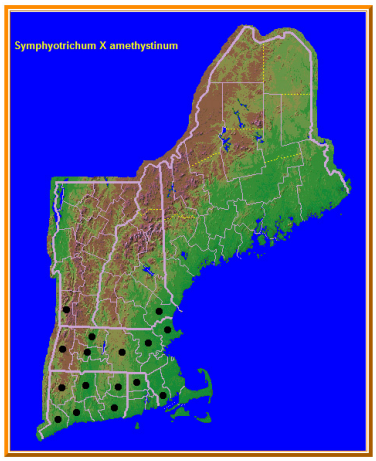




Symphyotrichum tradescantii (Linnaeus) G.L. Nesom - **Shore Aster**. 2n = 16, 32.
Rocky or gravelly, freshwater shores, waste places. [*Aster tradescantii* Linnaeus]

Symphyotrichum undulatum (Linnaeus) G.L. Nesom - . 2n = 16, (18), 32, (36).
Dry fields and open, deciduous woods, clearings, fields, roadsides. [*Aster undulatus* Linnaeus; *A. undulatus* var. *loriformis* E.S. Burgess]

Symphyotrichum urophyllum (Lindley *ex* de Candolle) G.L. Nesom - . 2n = 16.
Dry open, woods, clearings and fields. [*Aster sagittifolius* misapplied]

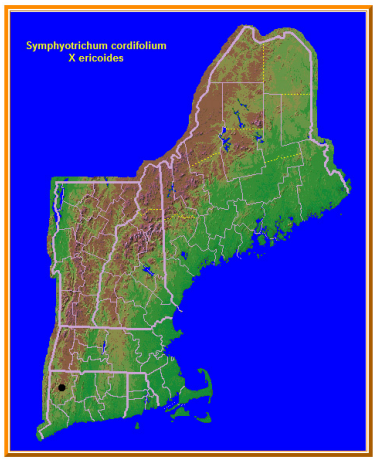


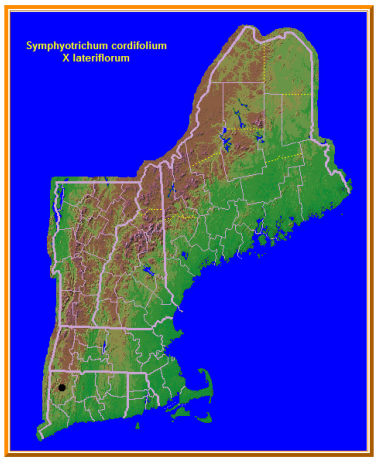
***Symphyotrichum* hybrids**

Symphyotrichum X ***amethystinum*** (Nuttall (*pro species*)) G.L. Nesom - .
[*S. ericoides* (Linnaeus) G.L. Nesom X *S. novae-angliae* (Linnaeus) G.L. Nesom; *Aster* X *amethystinus* Nuttall (*pro species*)]

Symphyotrichum ciliolatum (Lindley) Á. Löve & D. Löve X ***S. prenanthoides*** (Muhlenberg *ex* Willdenow) G.L. Nesom - .

Symphyotrichum ciliolatum (Lindley) Á. Löve & D. Löve X ***S. puniceum*** (Linnaeus) Á. Löve & D. Löve - .

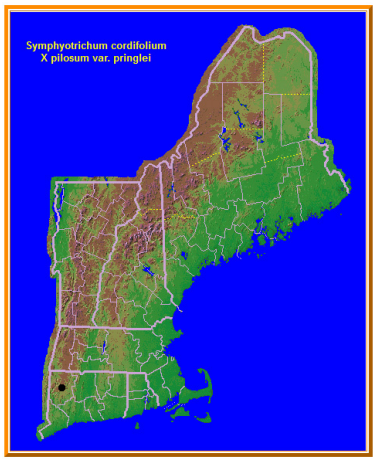


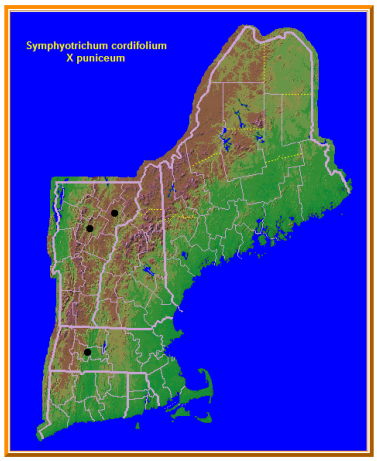


Symphyotrichum cordifolium (Linnaeus) G.L. Nesom X ***S. ericoides*** (Linnaeus) G.L. Nesom - .

Symphyotrichum cordifolium (Linnaeus) G.L. Nesom X ***S. lateriflorum*** (Linnaeus) Á. Löve & D. Löve - .

Symphyotrichum cordifolium (Linnaeus) G.L. Nesom X ***S. novi-belgii*** (Linnaeus) G.L. Nesom var. ***novi-belgii*** - .

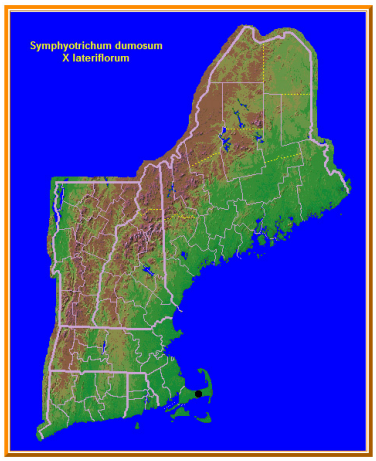


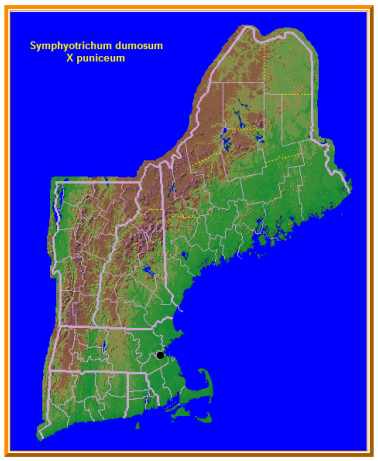


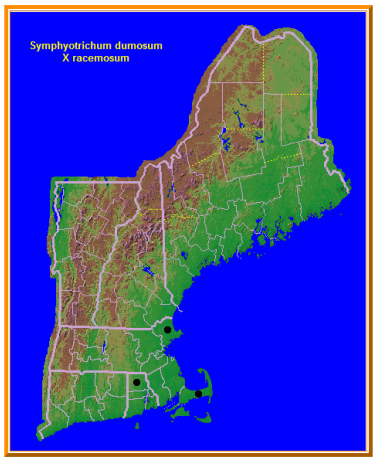
Symphyotrichum cordifolium (Linnaeus) G.L. Nesom X ***S. pilosum*** (Willdenow) G.L. Nesom var. ***pringlei*** (A. Gray) G.L. Nesom - .

Symphyotrichum cordifolium (Linnaeus) G.L. Nesom X ***S. puniceum*** (Linnaeus) Á. Löve & D. Löve - .

Symphyotrichum cordifolium (Linnaeus) G.L. Nesom X ***S. undulatum*** (Linnaeus) G.L. Nesom - .



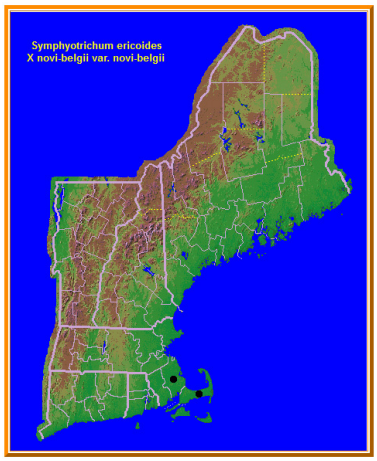




Symphyotrichum dumosum (Linnaeus) G.L. Nesom X ***S. lateriflorum*** (Linnaeus) Á. Löve & D. Löve - .

Symphyotrichum dumosum (Linnaeus) G.L. Nesom X ***S. puniceum*** (Linnaeus) Á. Löve & D. Löve - .

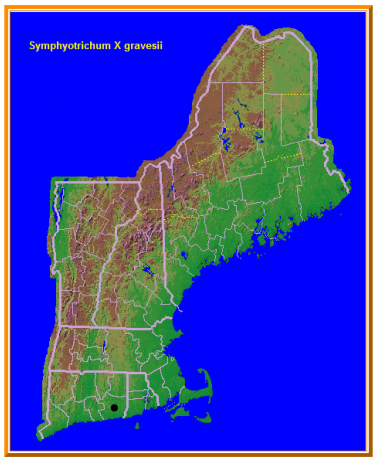
Symphyotrichum dumosum (Linnaeus) G.L. Nesom X ***S. racemosum*** (Elliott) G.L. Nesom - .

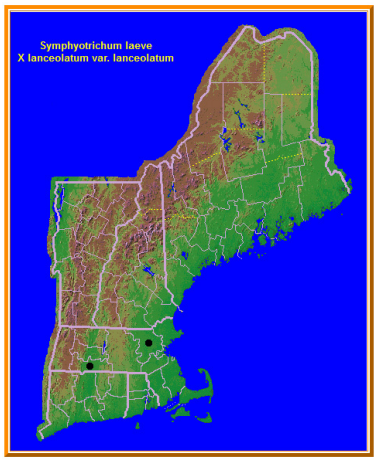


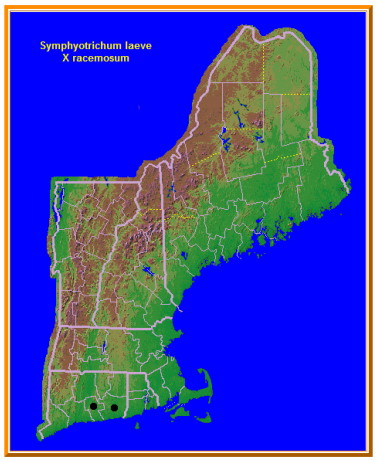
Symphyotrichum dumosum (Linnaeus) G.L. Nesom X ***S. tradescantii*** (Linnaeus) G.L. Nesom - .

Symphyotrichum ericoides (Linnaeus) G.L. Nesom X ***S. novi-belgii*** (Linnaeus) G.L. Nesom var. ***novi-belgii*** - .

Symphyotrichum ericoides (Linnaeus) G.L. Nesom X ***S. undulatum*** (Linnaeus) G.L. Nesom - .



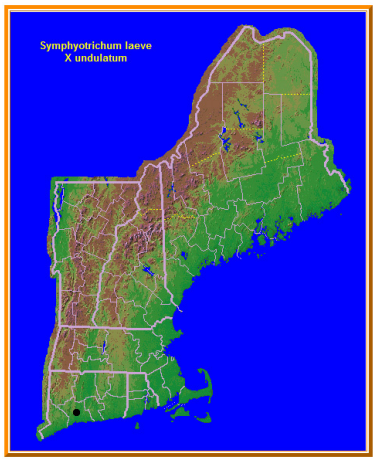


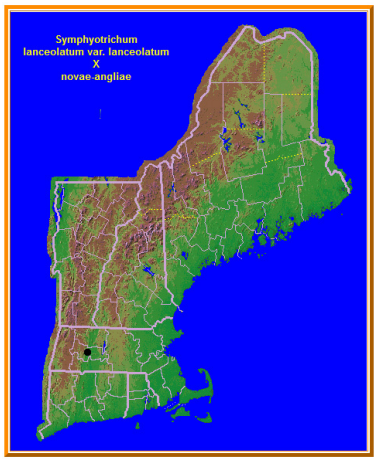


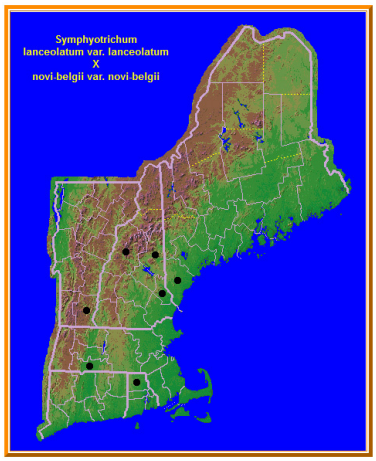
Symphyotrichum X ***gravesii*** (E.S. Burgess (*pro species*)) G.L. Nesom - .
[*S. cordifolium* (Linnaeus) G.L. Nesom X *S. laeve* (Linnaeus) Á. Löve & D. Löve or *S. dumosum* (Linnaeus) G.L. Nesom X *S. laeve* (Linnaeus) Á. Löve & D. Löve; *Aster* X *gravesii* E.S. Burgess (*pro species*)]

Symphyotrichum laeve (Linnaeus) Á. Löve & D. Löve X ***S. lanceolatum*** (Willdenow) G.L. Nesom var. ***lanceolatum*** - .

Symphyotrichum laeve (Linnaeus) Á. Löve & D. Löve X ***S. racemosum*** (Elliott) G.L. Nesom - .



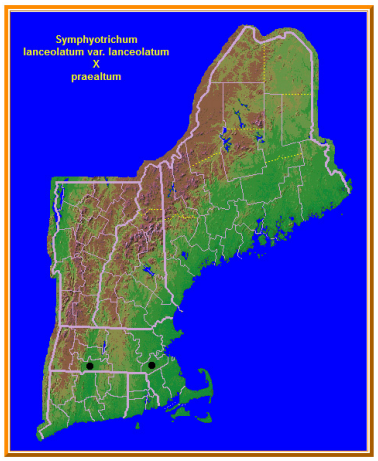


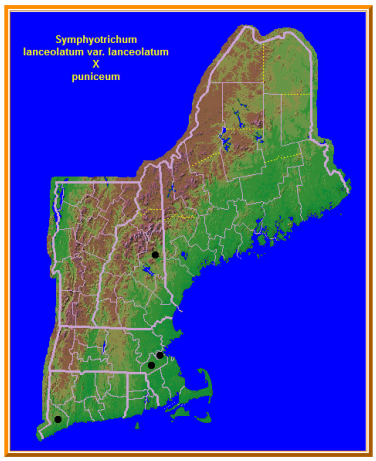


Symphyotrichum laeve (Linnaeus) Á. Löve & D. Löve X ***S. undulatum*** (Linnaeus) G.L. Nesom - .

Symphyotrichum lanceolatum (Willdenow) G.L. Nesom var. ***lanceolatum*** X ***S. novae-angliae*** (Linnaeus) G.L. Nesom - .

Symphyotrichum lanceolatum (Willdenow) G.L. Nesom var. ***lanceolatum*** X ***S. novi-belgii*** (Linnaeus) G.L. Nesom var. ***novi-belgii*** - .

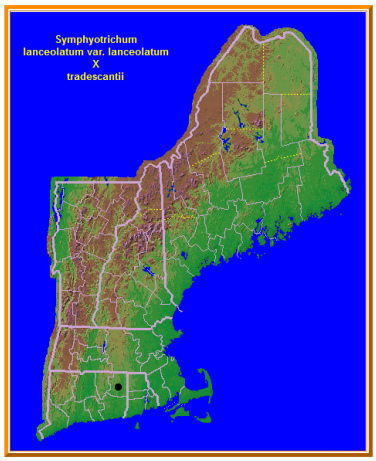




Symphyotrichum lanceolatum (Willdenow) G.L. Nesom var. ***lanceolatum*** X ***S. pilosum*** (Willdenow) G.L. Nesom var. ***pringlei*** (A. Gray) G.L. Nesom - .

Symphyotrichum lanceolatum (Willdenow) G.L. Nesom var. ***lanceolatum*** X ***S. praealtum*** (Poiret) G.L. Nesom - .

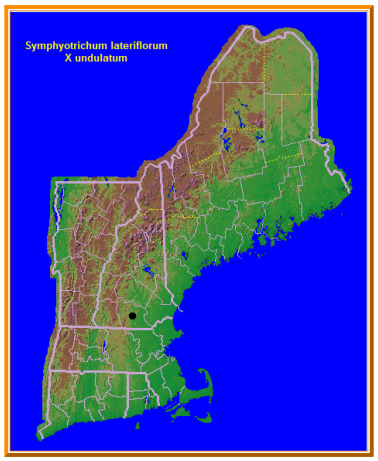
Symphyotrichum lanceolatum (Willdenow) G.L. Nesom var. ***lanceolatum*** X ***S. puniceum*** (Linnaeus) Á. Löve & D. Löve - .

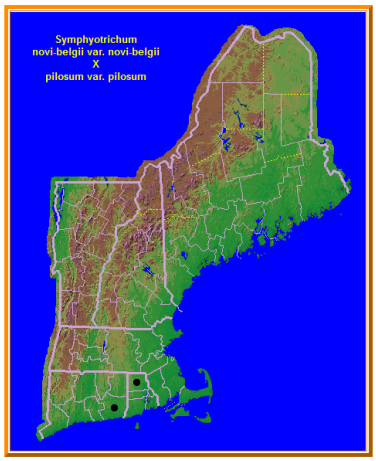


Symphyotrichum lanceolatum (Willdenow) G.L. Nesom var. ***lanceolatum*** X ***S. tradescantii*** (Linnaeus) G.L. Nesom - .

Symphyotrichum lateriflorum (Linnaeus) Á. Löve & D. Löve X ***S. novi-belgii*** (Linnaeus) G.L. Nesom var. ***novi-belgii*** - .

Symphyotrichum lateriflorum (Linnaeus) Á. Löve & D. Löve X ***S. puniceum*** (Linnaeus) Á. Löve & D. Löve - .

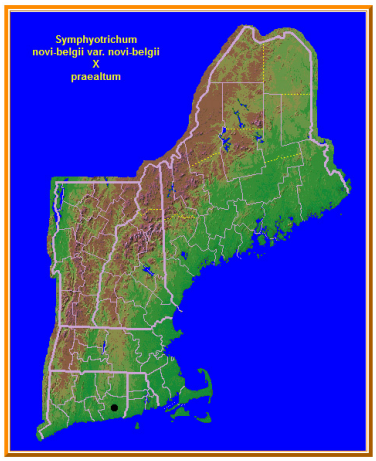


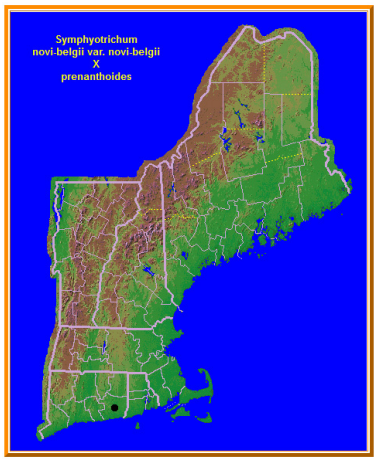


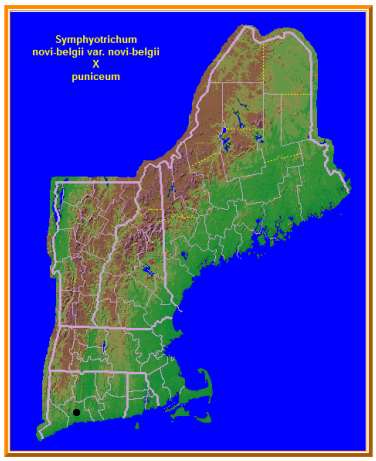
Symphyotrichum lateriflorum (Linnaeus) Á. Löve & D. Löve X ***S. racemosum*** (Elliott) G.L. Nesom - .

Symphyotrichum lateriflorum (Linnaeus) Á. Löve & D. Löve X ***S. undulatum*** (Linnaeus) G.L. Nesom - .

Symphyotrichum novi-belgii (Linnaeus) G.L. Nesom var. ***novi-belgii*** X ***S. pilosum*** (Willdenow) G.L. Nesom var. ***pilosum*** - .



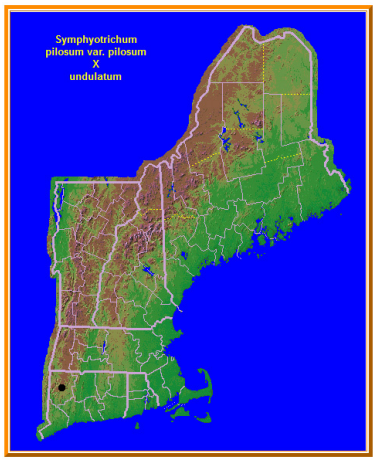


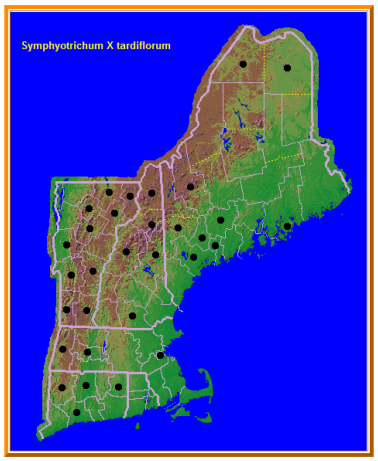


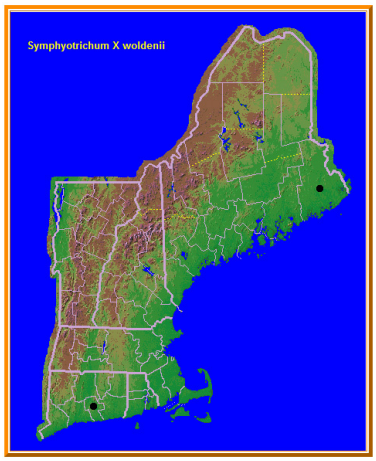
Symphyotrichum novi-belgii (Linnaeus) G.L. Nesom var. ***novi-belgii*** X ***S. praealtum*** (Poiret) G.L. Nesom - .

Symphyotrichum novi-belgii (Linnaeus) G.L. Nesom var. ***novi-belgii*** X ***S. prenanthoides*** (Muhlenberg *ex* Willdenow) G.L. Nesom - .

Symphyotrichum novi-belgii (Linnaeus) G.L. Nesom var. ***novi-belgii*** X ***S. puniceum*** (Linnaeus) Á. Löve & D. Löve - .



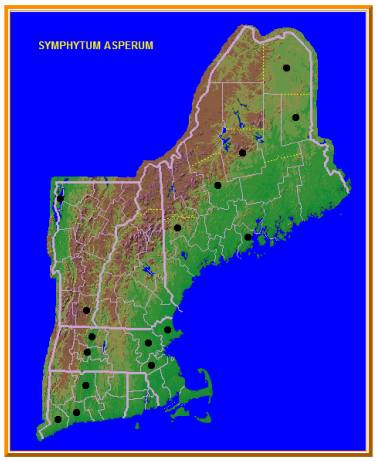


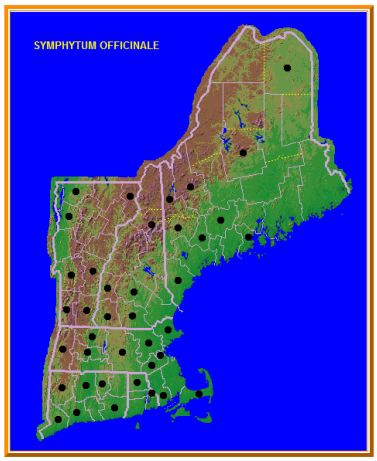


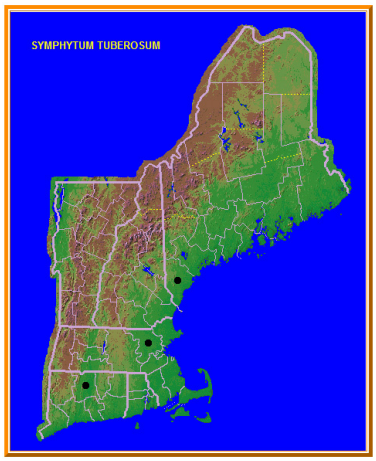
Symphyotrichum pilosum (Willdenow) G.L. Nesom var. ***pilosum*** X ***S. undulatum*** (Linnaeus) G.L. Nesom - .

Symphyotrichum X ***tardiflorum*** (Linnaeus) Greuter, M.V. Aghababian & Wagenitz - .
[*S. cordifolium* (Linnaeus) G.L. Nesom X *S. puniceum* (Linnaeus) Á. Löve & D. Löve; *Aster tardiflorus* Linnaeus]

Symphyotrichum X ***woldenii*** (Rydberg (*pro species*)) G.L. Nesom - .
[*S. laeve* (Linnaeus) Á. Löve & D. Löve X *S. praealtum* (Poiret) G.L. Nesom; *S. novi-belgii* (Linnaeus) G.L. Nesom var. *litoreum* (A. Gray) G.L. Nesom; *Aster novi-belgii* Linnaeus var. *litoreus* A. Gray; *Aster* X *woldenii* Rydberg (*pro species*); However, the parentage for this hybrid is in doubt.]





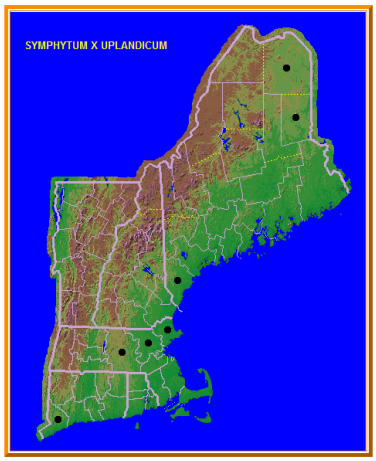


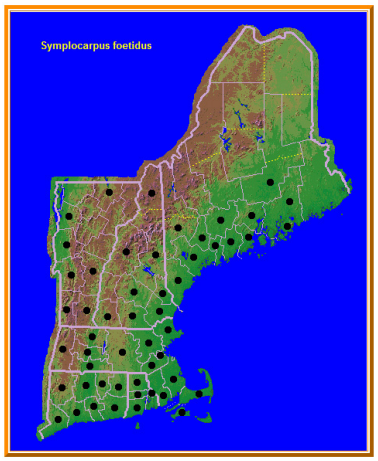
SYMPHYTUM (Family: Boraginaceae)

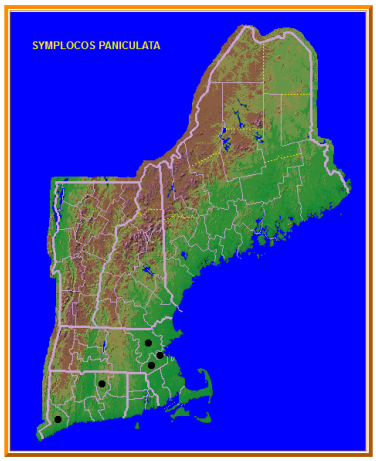
SYMPHYTUM ASPERUM Lepechin - **Prickly Comfrey**. 2n = 32, (40), (45).
Roadsides, waste places. From the Caucasus region.

SYMPHYTUM OFFICINALE Linnaeus - **Common Comfrey**. 2n = 24, (36), 40, (45), 48, (54), (56).
Roadsides, waste places. From Eurasia.

SYMPHYTUM TUBEROSUM Linnaeus - . 2n = (18), (32), (44), 64, 96, (120), (ca. 128), (144).
Ditches, fields. From Europe.







***Symphytum* hybrid**

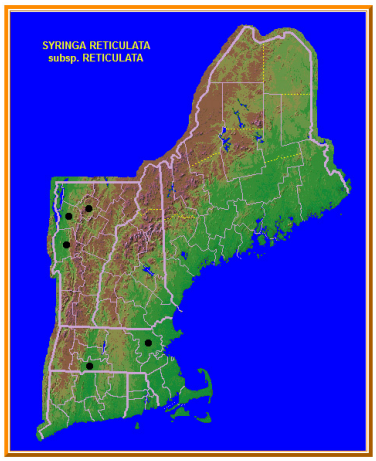
SYMPHYTUM X ***UPLANDICUM*** Nyman (*pro species*) - .
[*S. ASPERUM* Lepechin X *S. OFFICINALE* Linnaeus]

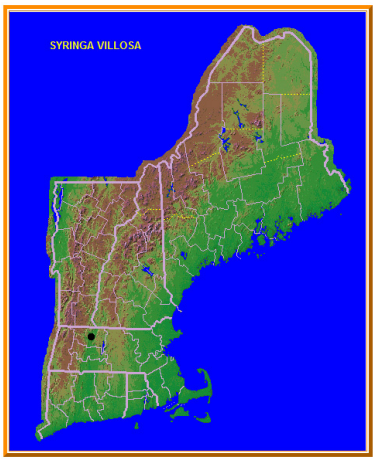
SYMPLOCARPUS (Family: Araceae)

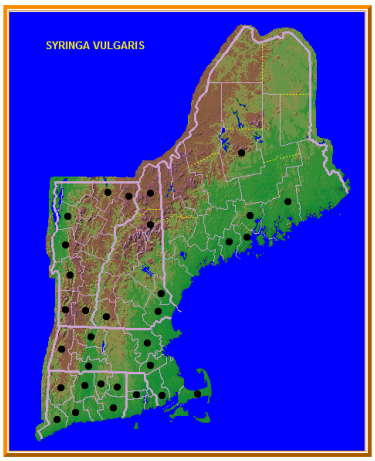
Symplocarpus foetidus (Linnaeus) Salisbury *ex* W.P.C. Barton - **Skunk Cabbage**. 2n = (26), (30), 60.
Swamps, damp thickets and woods, wet meadows, shores.

SYMPLOCOS (Family: Symplocaceae)

SYMPLOCOS PANICULATA Miquel - **Sapphire-berry**. 2n = 22.
Swamp margins. From Asia.





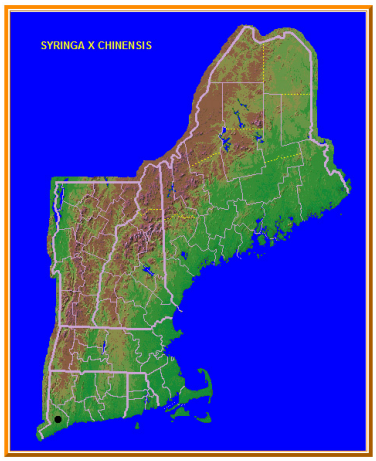


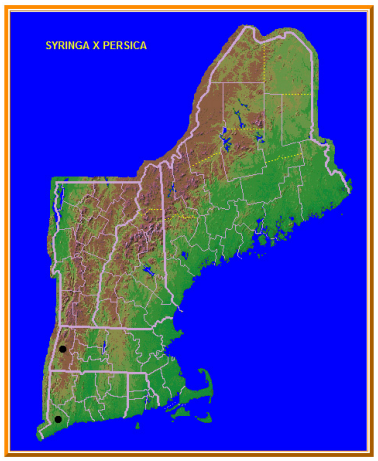
SYRINGA (Family: Oleaceae)

SYRINGA RETICULATA (Blume) H. Hara subsp. ***RETICULATA*** - **Japanese Tree Lilac**. 2n = 46.
Roadsides, woodland margins. From Japan.

SYRINGA VILLOSA Vahl - . 2n = 46, 48.
Wooded bank. From China.

SYRINGA VULGARIS Linnaeus - **Common Lilac**. 2n = (38), 44, 46, (48).
Roadsides, woodland margins. From southeastern Europe.

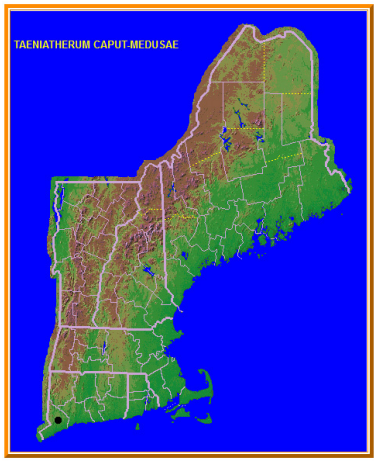


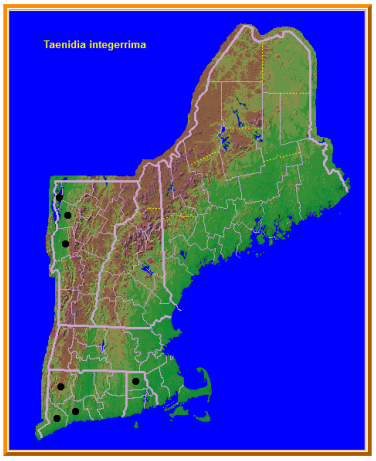


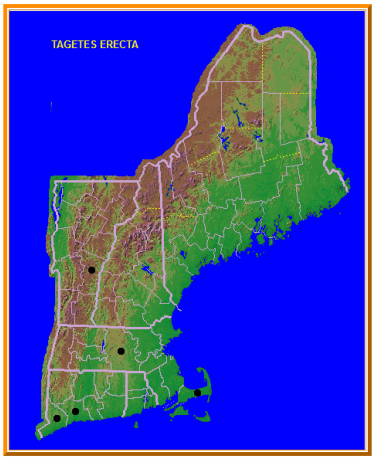
***Syringa* hybrids**

SYRINGA X ***CHINENSIS*** Willdenow (*pro species*) - .
[*S.* X *PERSICA* Linnaeus X *S. VULGARIS* Linnaeus]

SYRINGA X ***PERSICA*** Linnaeus (*pro species*) - .
[*S. PROTOLACINIATA* P.S. Green & M.C. Chang X *S. VULGARIS* Linnaeus]







TAENIATHERUM (Family: Poaceae)

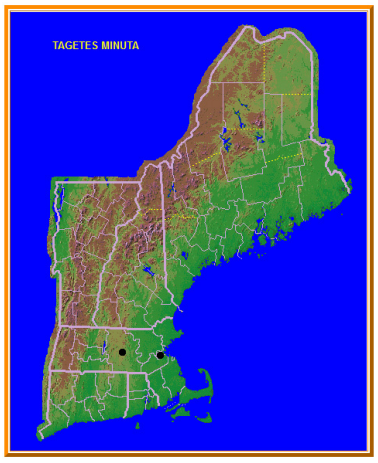
TAENIATHERUM CAPUT-MEDUSAE (Linnaeus) Nevski - . 2n = 14.
Waste places. From Europe. [*ELYMUS CAPUT-MEDUSAE* Linnaeus]

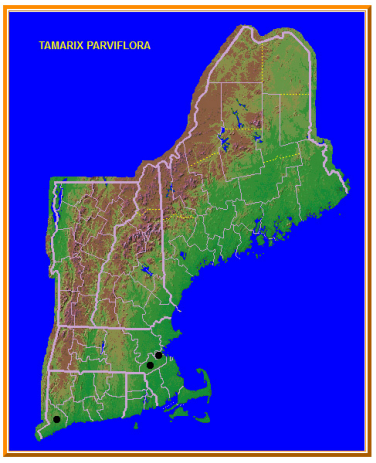
TAENIDIA (Family: Apiaceae)

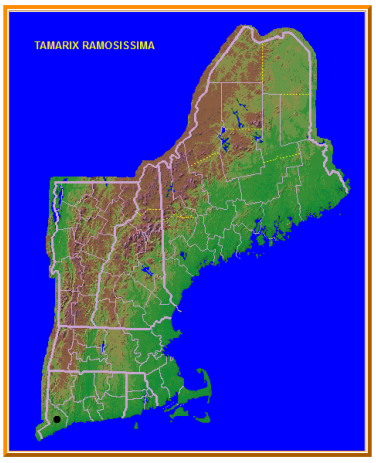
Taenidia integerrima (Linnaeus) Drude - **Yellow Pimpernel**. 2n = 22.
Dry, open, rocky woodlands near shores.

TAGETES (Family: Asteraceae)

TAGETES ERECTA Linnaeus - **African Marigold**. 2n = 24, (48).
Waste places. From Mexico, Central and South America. [*T. PATULA* Linnaeus; *T. SIGNATA* Bartling; *T. TENUIFOLIA* Cavanilles]





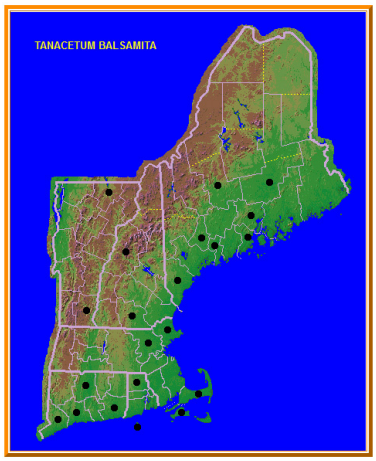


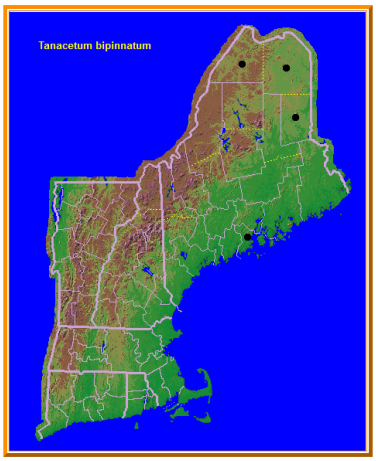
TAGETES MINUTA Linnaeus - **Southern Marigold**. 2n = 48.
Waste places, fields. From South America.

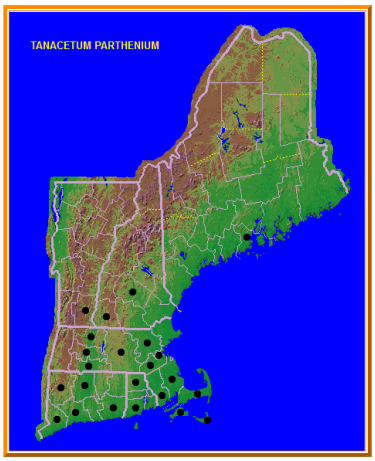
TAMARIX (Family: Tamaricaceae)

TAMARIX PARVIFLORA de Candolle - . 2n = ?
Waste places, sandy roadsides. From southeastern Europe, southwestern Asia.

TAMARIX RAMOSISSIMA Ledebour - **Pink Tamarisk**. 2n = 22, 24.
Dry gravel fill over salt marsh. From eastern Europe, Asia. [*T. PENTANDRA* Pallas - illegitimate name]





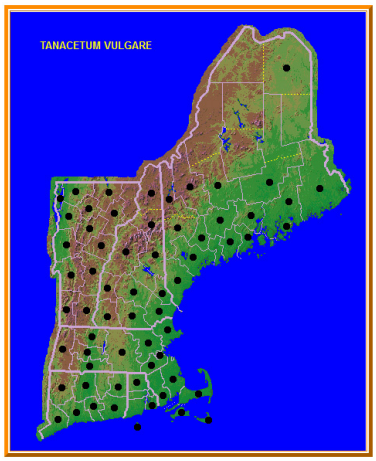


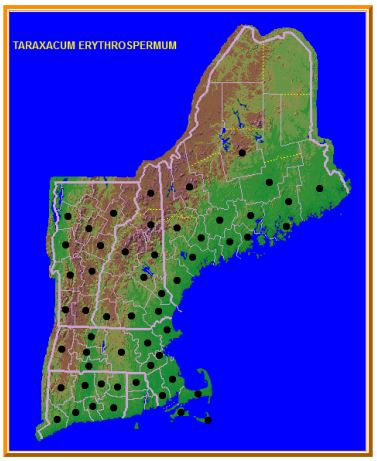
TANACETUM (Family: Asteraceae)

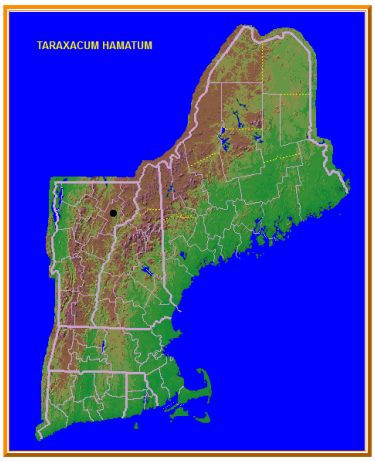
TANACETUM BALSAMITA Linnaeus - **Costmary**. 2n = 18, 54.
Roadsides. From Asia. [*CHRYSANTHEMUM BALSAMITA* (Linnaeus) Baillon]

Tanacetum bipinnatum (Linnaeus) Schultz-Bipontinus - . 2n = 54.
Gravelly or sandy riverbanks. [*T. huronense* Nuttall var. *huronense*; *T. huronense* var. *johannense* Fernald]

TANACETUM PARTHENIUM (Linnaeus) Schultz-Bipontinus - **Feverfew**. 2n = 18, (36).
Roadsides, waste places. From Europe. [*CHRYSANTHEMUM PARTHENIUM* (Linnaeus) Bernhardi]





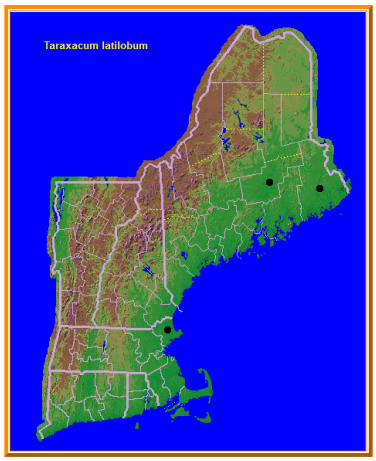


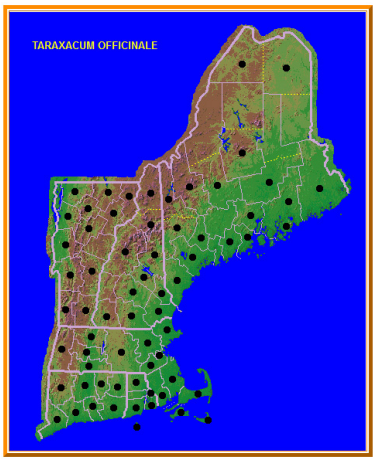
TANACETUM VULGARE Linnaeus - **Common Tansy**. 2n = 18.
Roadsides, field borders, waste places. From Eurasia.

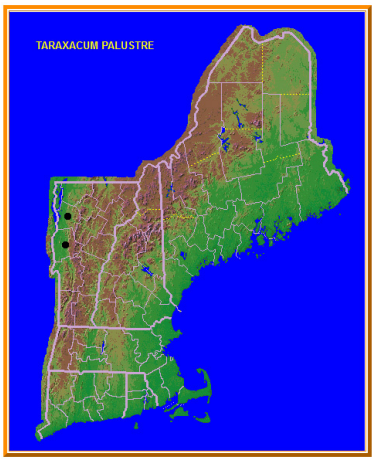
TARAXACUM (Family: Asteraceae)

TARAXACUM ERYTHROSPERMUM Andrzejowski *ex* Besser - **Red-seeded Dandelion**. 2n = 16, 24, 32.
Dry fields, woods, ledges, roadsides, and waste places. From Eurasia. [*T. LAEVIGATUM* misapplied]

TARAXACUM HAMATUM Raunkiaer - . 2n = 24.
Pastures. From Europe.



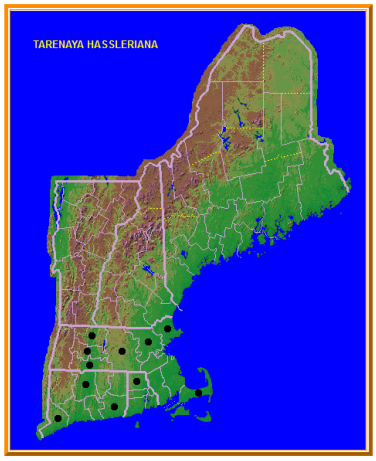


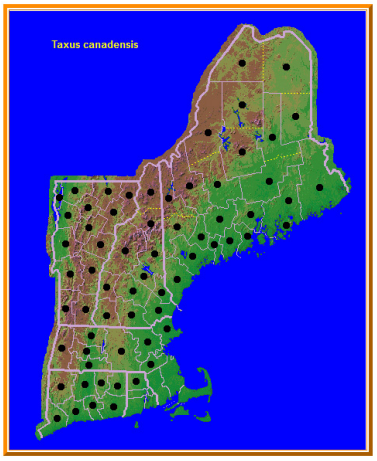


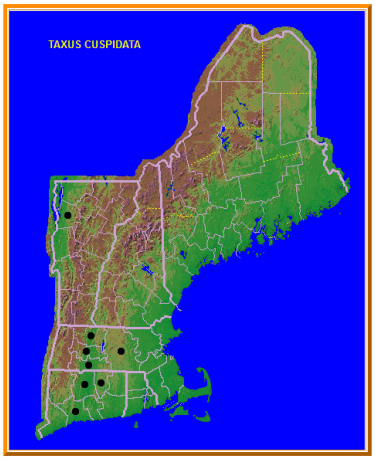
Taraxacum latilobum de Candolle - . 2n = ?
Rich slopes and talus, often calcareous.

TARAXACUM OFFICINALE F.H. Wiggers - **Common Dandelion**. 2n = (16), 24, (26), (32), (48).
Fields, meadows, roadsides, waste places. From Europe. [*T. OFFICINALE* F.H. Wiggers var. *PALUSTRE* Blytt]

TARAXACUM PALUSTRE (Lyons) Symons - . 2n = 24, 32, 40.
Wet ditches, roadsides, fields and waste places. From Europe.







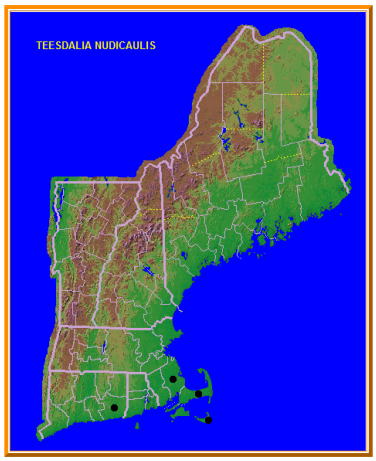
TARENAYA (Family: Cleomaceae)

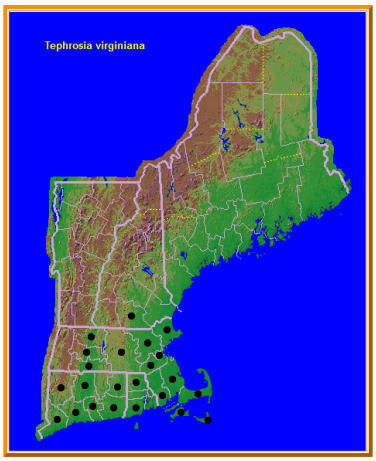
TARENAYA HASSLERIANA (Chodat) H.H. Iltis - **Pink-queen**. 2n = 20.
Waste places, roadsides. From South America. [*CLEOME HASSLERIANA* Chodat; *C. SPINOSA* misapplied]

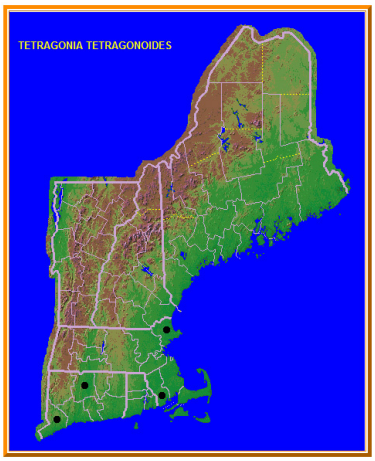
TAXUS (Family: Taxaceae)

Taxus canadensis Marshall - **American Yew**. 2n = 24.
Damp, rich, or swampy woods, mostly in the shade of conifers, ravines and near streams, occasionally on moist, rocky slopes at higher elevations.

TAXUS CUSPIDATA Siebold & Zuccarini - **Japanese Yew**. 2n = 24.
Open woods. From eastern Asia.







TEESDALIA (Family: Brassicaceae)

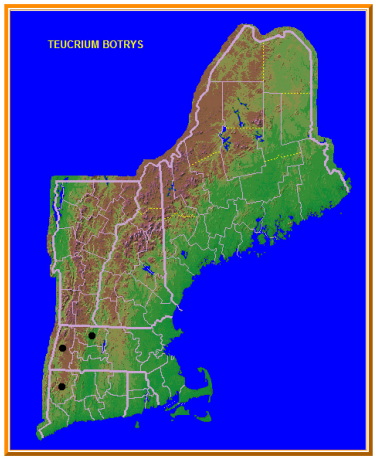
TEESDALIA NUDICAULIS (Linnaeus) W.T. Aiton - **Shepherd's Cress**. 2n = 36.
Sandy fields, roadsides, waste places. From Eurasia.

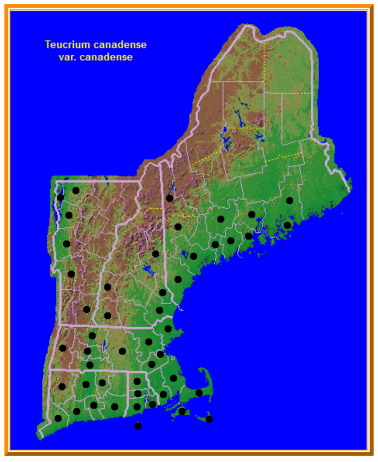
TEPHROSIA (Family: Fabaceae)

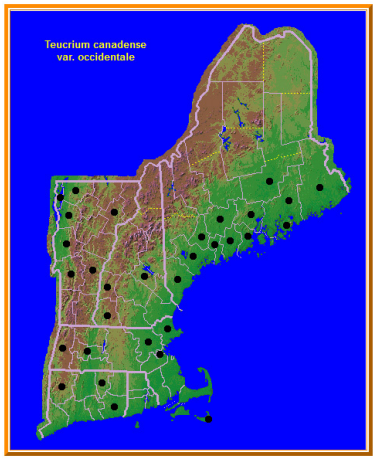
Tephrosia virginiana (Linnaeus) Persoon - **Goat's-rue**. 2n = 22.
Dry, sandy, clearings and open woods, ledges, fields, roadsides, railroads.

TETRAGONIA (Family: Aizoaceae)

TETRAGONIA TETRAGONOIDES (Pallas) Kuntze - **New Zealand Spinach**. 2n = 32.
Waste places. From eastern Asia, Australia, New Zealand, Pacific Islands.





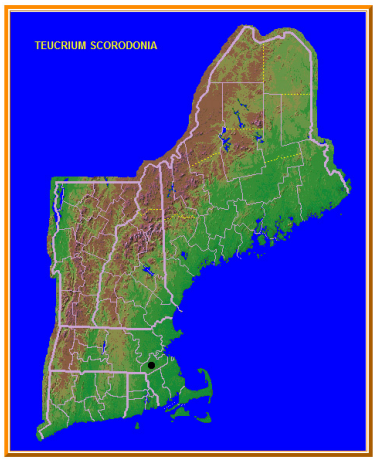


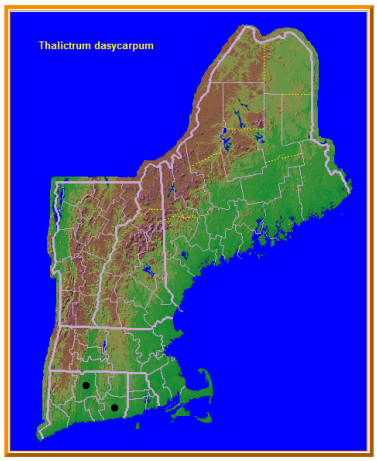
TEUCRIUM (Family: Lamiaceae)

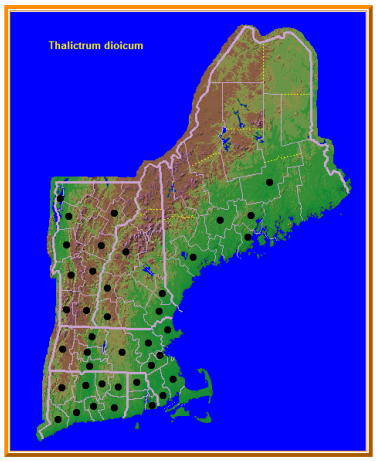
TEUCRIUM BOTRYS Linnaeus - **Cut-leaf Germander**. 2n = 32.
Dry or rocky fields, often calcareous. From Europe.

Teucrium canadense Linnaeus var. ***canadense*** - **American Germander**. 2n = 32.
Salt marsh margins, wet woodlands, shores, wet thickets. [*T. canadense* var. *virginicum* (Linnaeus) Eaton; *T. occidentale* A. Gray var. *boreale* (E.P. Bicknell) Fernald]

Teucrium canadense Linnaeus var. ***occidentale*** (A. Gray) E.M. McClintock & Epling - . 2n = ?
Alluvial soil, shores. [*T. occidentale* A. Gray var. *occidentale*]





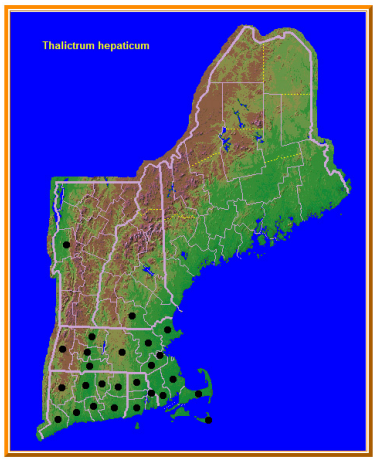


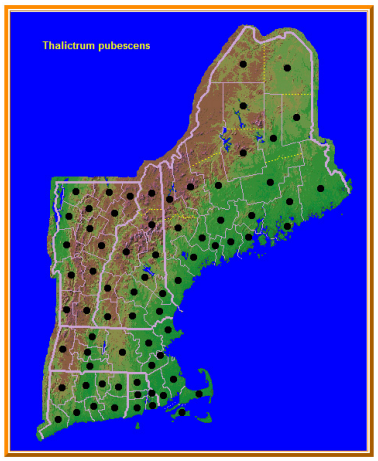
TEUCRIUM SCORODONIA Linnaeus - **Wood Germander**. 2n = 32, (34).
Open woodlands. From Europe, northwestern Africa.

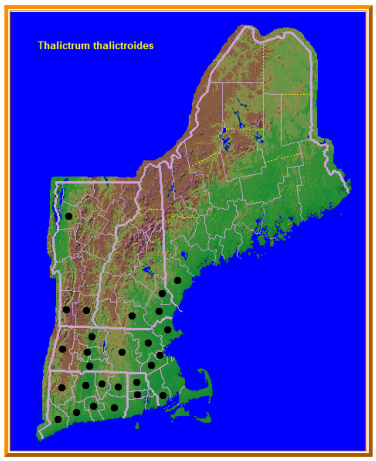
THALICTRUM (Family: Ranunculaceae)

Thalictrum dasycarpum Fischer & Avé-Lallemant - **Purple Meadow-rue**. 2n = 168.
Meadows, shores, wet thickets.

Thalictrum dioicum Linnaeus - **Early Meadow-rue**. 2n = 14.
Rich, rocky woods.



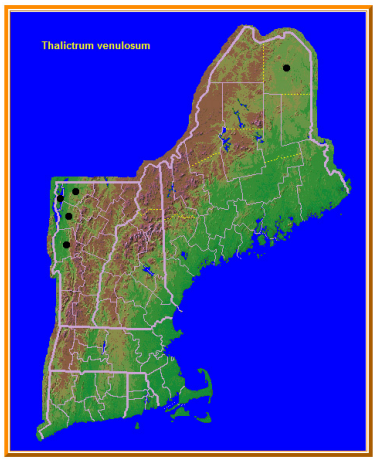


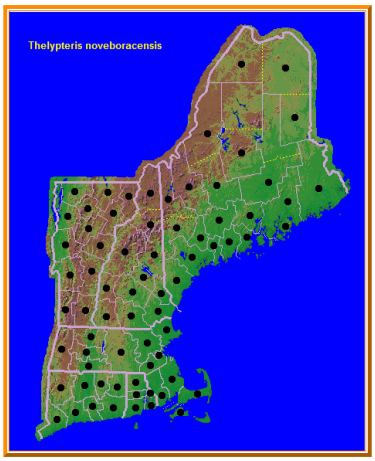


Thalictrum hepaticum Greene - **Skunk Meadow-rue**. 2n = 140.
Dry, open woods, often rocky. [*T. revolutum* de Candolle - illegitimate name] Note: The name *T. hepaticum* for this taxon is a possible (perhaps likely) solution to what name should replace the illegitimate *T. revolutum* de Candolle, pending a review of the earliest valid name applicable.

Thalictrum pubescens Pursh - **Tall Meadow-rue**. 2n = 84, 126, 154.
Meadows and other low, wet ground, usually in the open. [*T. polygamum* Muhlenberg *ex* Sprengel; *T. polygamum* Muhlenberg *ex* Sprengel var. *hebecarpum* (Fernald) B. Boivin; *T. polygamum* Muhlenberg *ex* Sprengel var. *intermedium* B. Boivin]

Thalictrum thalictroides (Linnaeus) A.J. Eames & B. Boivin - **Rue-anemone**. 2n = 14.
Dry, open woods. [*Anemonella thalictroides* (Linnaeus) Spach]





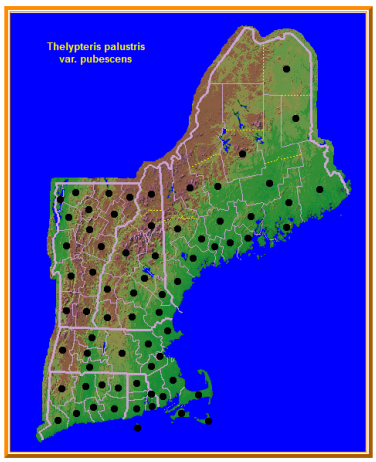
Thalictrum venulosum Trelease - **Northern Meadow-rue**. 2n = 42.
Sandy or gravelly shores, river thickets. [*T. venulosum* var. *confine* (Fernald) B. Boivin; *T. confine* Fernald]

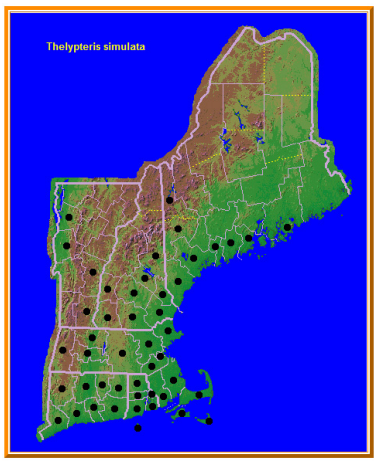
THASPIUM (Family: Apiaceae)

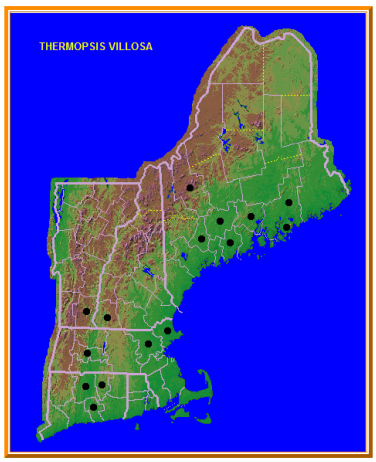
Thaspium trifoliatum (Linnaeus) A. Gray var. ***trifoliatum*** - **Purple Meadow-parsnip**. 2n = 22.
Rich woodlands.

THELYPTERIS (Family: Thelypteridaceae)

Thelypteris noveboracensis (Linnaeus) Nieuwland - **New York Fern**. 2n = 54.
Moist woods and thickets. [*Dryopteris noveboracensis* (Linnaeus) A. Gray]





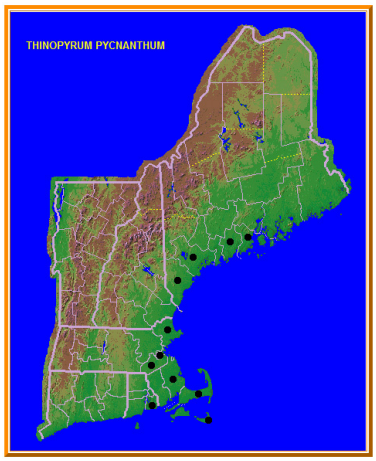


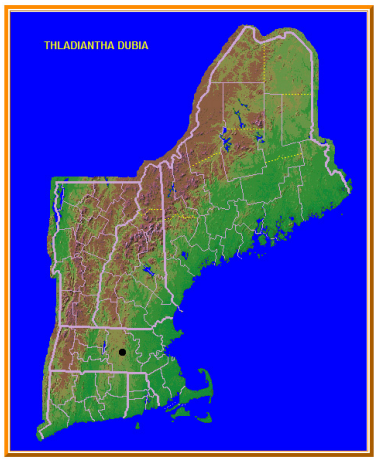
Thelypteris palustris Schott var. ***pubescens*** (G. Lawson) Fernald - **Marsh Fern**. 2n = 70.
Swamps, low damp thickets, meadows, marshes, bogs, along ditches and streams. [*Dryopteris thelypteris* (Linnaeus) A. Gray var. *pubescens* (G. Lawson) A. Prince *ex* Weatherby]

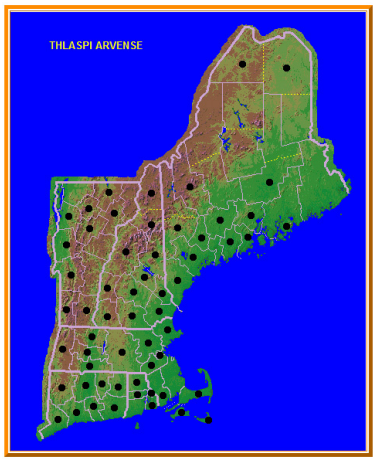
Thelypteris simulata (Davenport) Nieuwland - **Massachusetts Fern**. 2n = 128.
Swampy or boggy woods and thickets, on knolls in bogs, in acid soils. [*Dryopteris simulata* Davenport]

THERMOPSIS (Family: Fabaceae)

THERMOPSIS VILLOSA (Walter) Fernald & B.G. Schubert - . 2n = ?
Roadsides, fields. From farther south.







THINOPYRUM (Family: Poaceae)

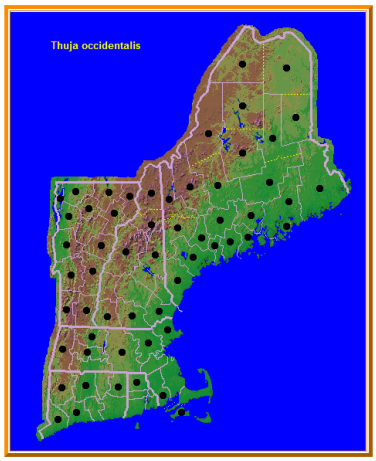
THINOPYRUM PYCNANTHUM (Godron) Barkworth - . 2n = 42.
Salt marshes, sandy shores. From Europe. [*AGROPYRON PUNGENS* misapplied; *A. PUNGENS* (Persoon) Roemer & Schultes var. *ACADIENSE* (F.T. Hubbard) Fernald; *A. PYCNANTHUM* (Godron) Godron & Grenier; *ELYMUS PYCNANTHUS* (Godron) Melderis; *ELYTRIGIA PUNGENS* (Persoon) Tutin]

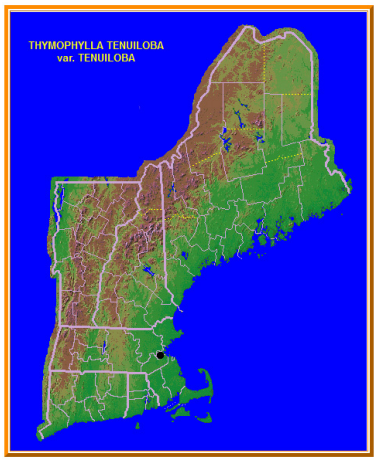
THLADIANTHA (Family: Cucurbitaceae)

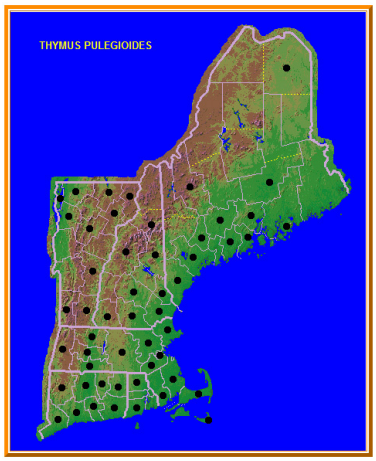
THLADIANTHA DUBIA Bunge - **Red Hailstone**. 2n = 18.
Waste places. From eastern Asia.

THLASPI (Family: Brassicaceae)

THLASPI ARVENSE Linnaeus - **Field Penny-cress**. 2n = 14.
Roadsides, waste places, fields. From Eurasia.







THUJA (Family: Cupressaceae)

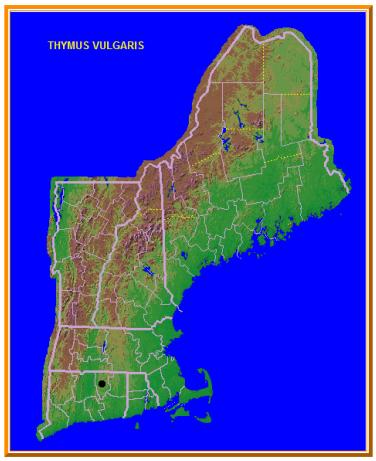
Thuja occidentalis Linnaeus - **Arbor-vitae**. 2n = 22.
Swamps, rocky banks of ponds and rivers, old pastures, in calcareous soils.

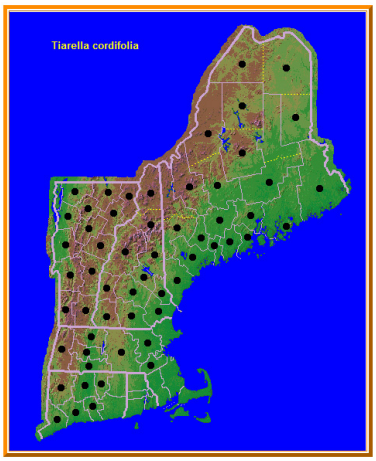
THYMOPHYLLA (Family: Asteraceae)

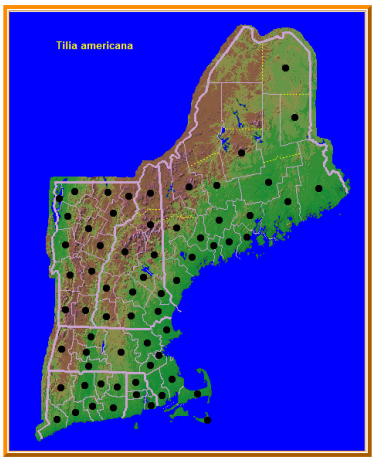
THYMOPHYLLA TENUILOBA (de Candolle) Small var. ***TENUILOBA*** - **Dahlberg Daisy**. 2n = 16, 24, 32, 40.
From Texas, Mexico. [*DYSSODIA TENUILOBA* (de Candolle) B.L. Robinson]

THYMUS (Family: Lamiaceae)

THYMUS PULEGIOIDES Linnaeus - **Lemon Thyme**. 2n = 28.
Dry fields, roadsides, waste places. From Europe. [*T. SERPYLLUM* misapplied]







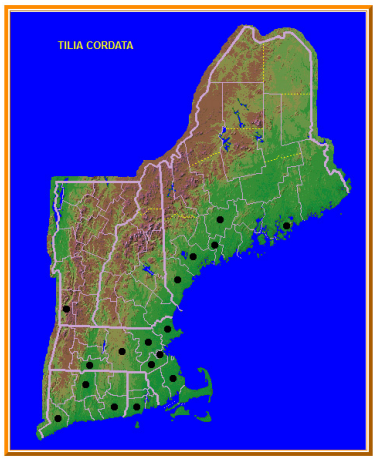
THYMUS VULGARIS Linnaeus - **Garden Thyme**. 2n = (28), 30, (48), (56).
Waste places. From southern Europe, northwestern Africa.

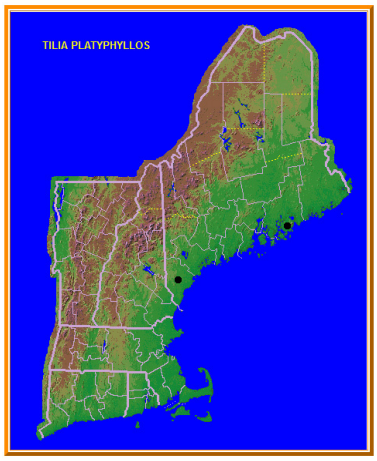
TIARELLA (Family: Saxifragaceae)

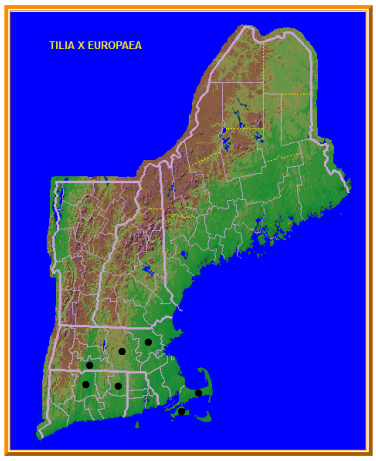
Tiarella cordifolia Linnaeus - **Foamflower**. 2n = 14.
Rich, moist, deciduous woods.

TILIA (Family: Malvaceae)

Tilia americana Linnaeus - **Basswood**. 2n = 82.
Rich woods. [*T. americana* var. *caroliniana* (Miller) Castiglioni; *T. americana* var. *heterophylla* (Ventenat) Loudon; *T. glabra* Ventenat - illegitimate name; *T. heterophylla* Ventenat; *T. neglecta* Spach; *T. pubescens* Aiton]





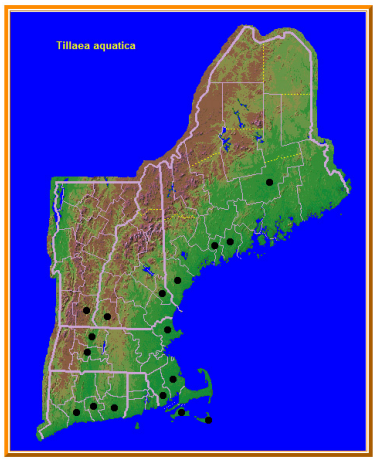


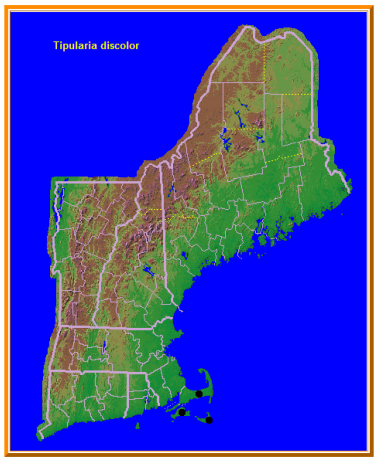
TILIA CORDATA Miller - . 2n = 82.
Roadsides, railroads, hedgerows, woodland margins, floodplain woods. From Eurasia.

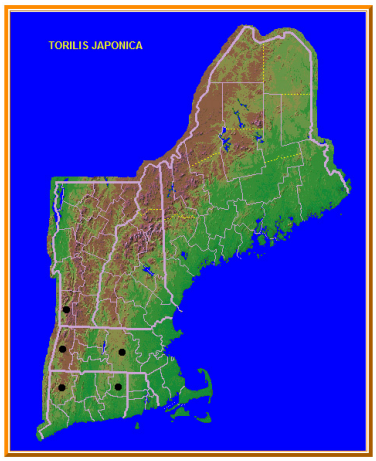
TILIA PLATYPHYLLOS Scopoli - **Large-leaved Linden**. 2n = 82.
Roadsides. From Europe, Turkey.

***Tilia* hybrid**

TILIA X ***EUROPAEA*** Linnaeus (*pro species*) - .
[*T. CORDATA* Miller X *T. PLATYPHYLLOS* Scopoli; *T.* X *VULGARIS* Hayne (*pro species*)]







TILLAEA (Family: Crassulaceae)

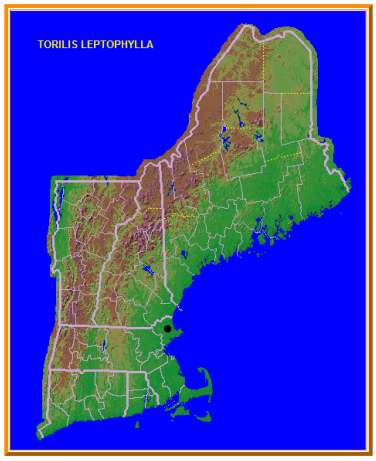
Tillaea aquatica Linnaeus - **Common Pigmyweed**. 2n = 42.
Tidal mud flats, coastal marshes, pond shores, river margins, vernal pools. [*Crassula aquatica* (Linnaeus) Schönland; *C. saginoides* (Maximowicz) M. Bywater & Wickens]

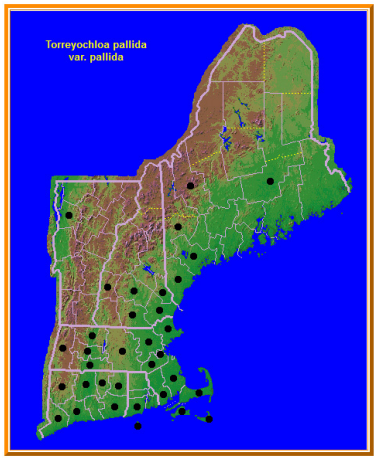
TIPULARIA (Family: Orchidaceae)

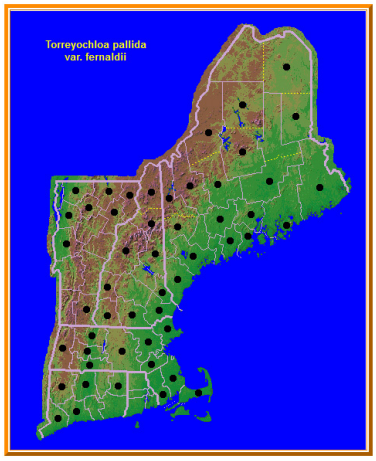
Tipularia discolor (Pursh) Nuttall - **Crane-fly Orchid**. 2n = ?
Rich, damp, oak-holly-beech woods.

TORILIS (Family: Apiaceae)

TORILIS JAPONICA (Houttuyn) de Candolle - . 2n = (12), 16, (18).
Woodland margins, roadsides, waste places. From Eurasia.





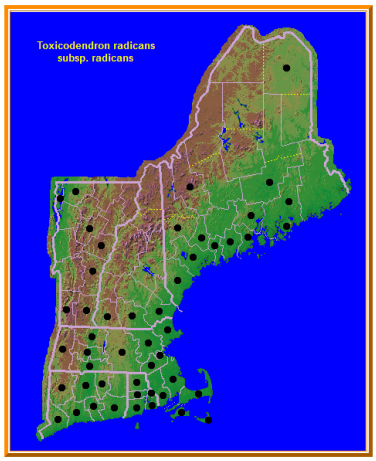


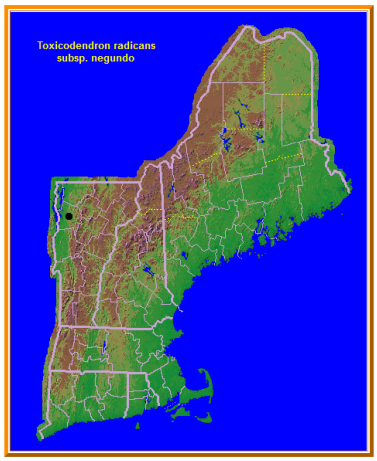
TORILIS LEPTOPHYLLA (Linnaeus) Reichenbach (son) - . 2n = 12, (24).
Waste places. From Eurasia, northern Africa.

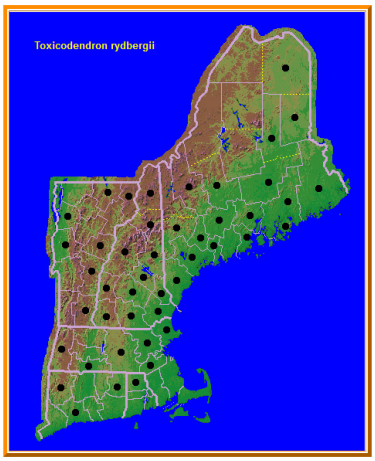
TORREYOCHLOA (Family: Poaceae)

Torreyochloa pallida (Torrey) G.L. Church var. ***pallida*** - . 2n = 14.
Pools, pond margins. [*Glyceria pallida* (Torrey) Trinius; *Puccinellia pallida* (Torrey) R.T. Clausen]

Torreyochloa pallida (Torrey) G.L. Church var. ***fernaldii*** (Hitchcock) Dore - . 2n = ?
Shallow water, wet places. [*Glyceria fernaldii* (Hitchcock) H. St. John; *G. pallida* (Torrey) Trinius var. *fernaldii* Hitchcock]





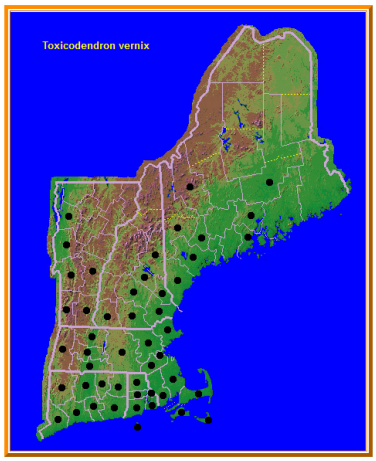


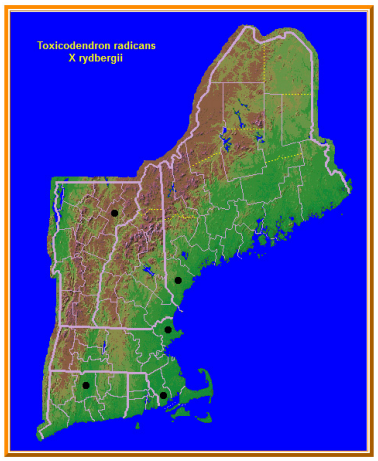
TOXICODENDRON (Family: Anacardiaceae)

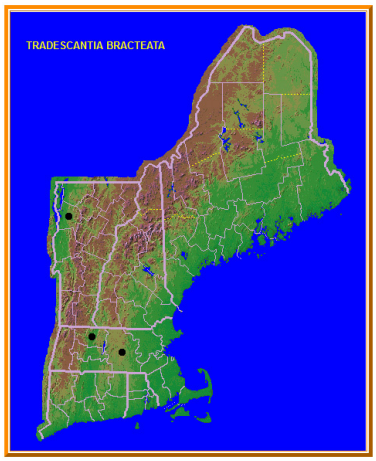
Toxicodendron radicans (Linnaeus) Kuntze subsp. ***radicans*** - **Poison Ivy**. 2n = 30.
Roadsides, thickets, stone walls, fencerows, open woodlands, woodland margins, open sandy or rocky soil, often in disturbed sites. [*Rhus radicans* Linnaeus]

Toxicodendron radicans (Linnaeus) Kuntze subsp. ***negundo*** (Greene) Gillis - . 2n = 30.
Rich woodlands. [*T. radicans* var. *negundo* (Greene) Reveal]

Toxicodendron rydbergii (Small *ex* Rydberg) Greene - **Western Poison Ivy**. 2n = 30.
Woodlands, rocky slopes, roadsides. [*Rhus radicans* Linnaeus var. *rydbergii* (Small *ex* Rydberg) Rehder; *R. radicans* var. *vulgaris* (Michaux) de Candolle]







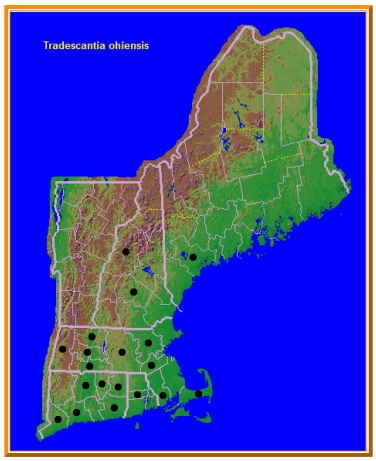
Toxicodendron vernix (Linnaeus) Kuntze - **Poison Sumac**. 2n = 30.
Swamps, wetland margins. [*Rhus vernix* Linnaeus]

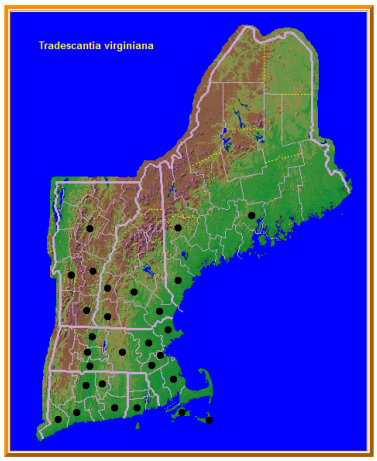
***Toxicodendron* hybrid**

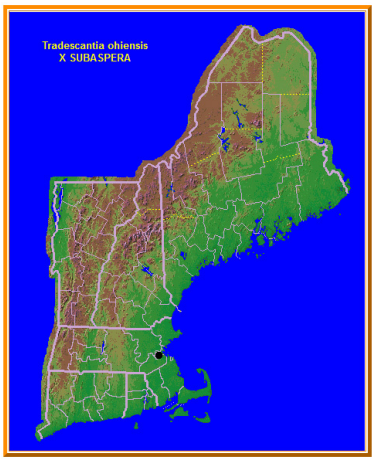
Toxicodendron radicans (Linnaeus) Kuntze X ***T. rydbergii*** (Small *ex* Rydberg) Greene - .

TRADESCANTIA (Family: Commelinaceae)

TRADESCANTIA BRACTEATA Small - **Sticky Spiderwort**. 2n = 12, (18), (24).
Roadsides. From farther west.





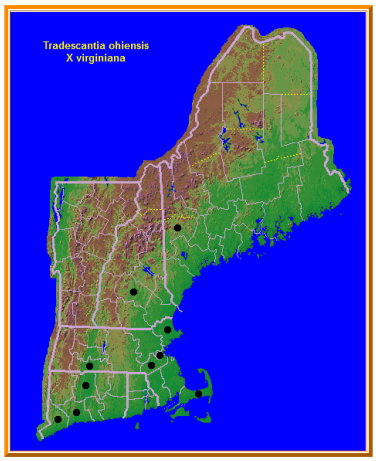


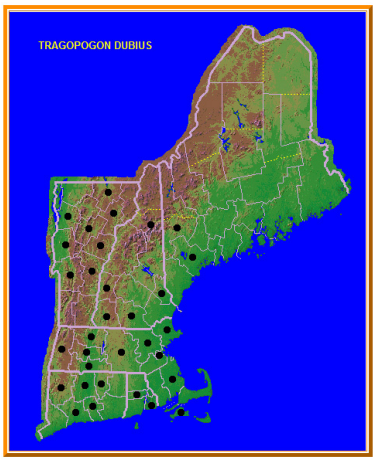
Tradescantia ohiensis Rafinesque - **Smooth Spiderwort**. 2n = 12, (18), 24.
Roadsides, waste places, thickets.

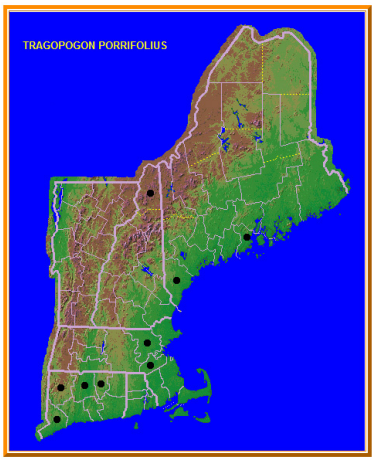
Tradescantia virginiana Linnaeus - **Widow's Tears**. 2n = 12, 18, 24, 24 + (1-6)B.
Roadsides, waste places, thickets.

***Tradescantia* hybrids**

Tradescantia ohiensis Rafinesque X ***T. SUBASPERA*** Ker Gawler - .





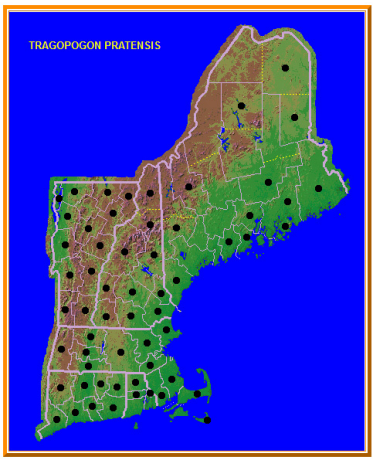


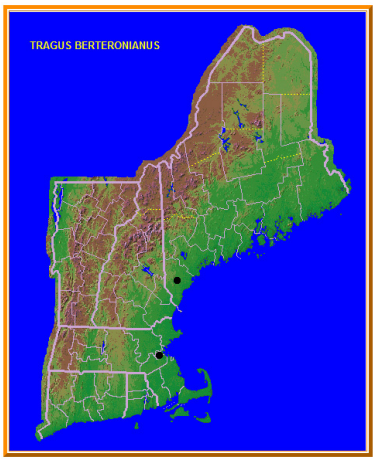
Tradescantia ohiensis Rafinesque X ***T. virginiana*** Linnaeus - .

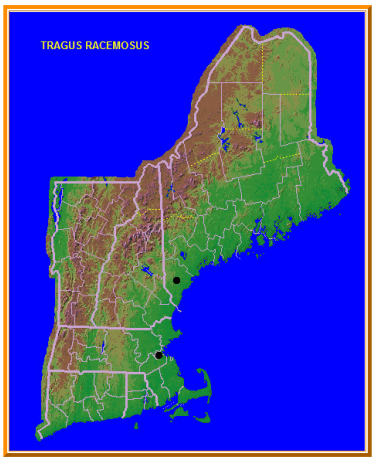
TRAGOPOGON (Family: Asteraceae)

TRAGOPOGON DUBIUS Scopoli - **Yellow Salsify**. 2n = 12.
Fields, roadsides, waste places. From Eurasia. [*T. MAJOR* Jacquin]

TRAGOPOGON PORRIFOLIUS Linnaeus - **Salsify**. 2n = 12.
Fields, roadsides. From Eurasia, northern Africa.





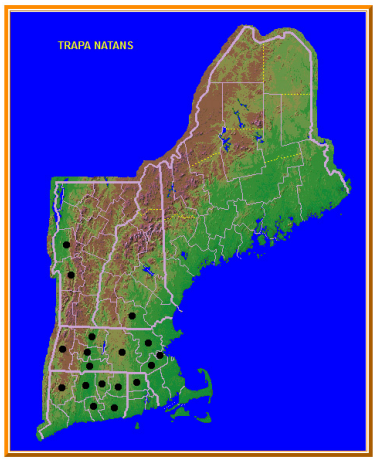


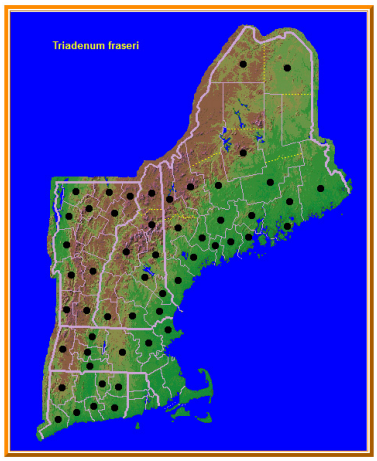
TRAGOPOGON PRATENSIS Linnaeus - **Goat's-beard**. 2n = 12.
Fields, meadows, roadsides. From Eurasia.

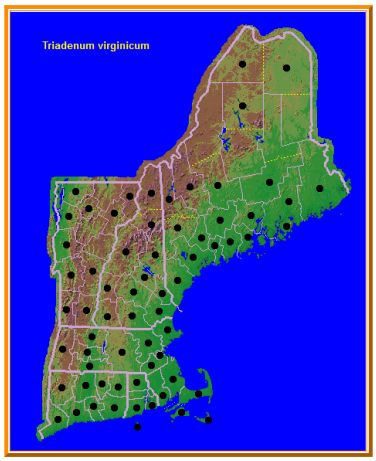
TRAGUS (Family: Poaceae)

TRAGUS BERTERONIANUS Schultes - . 2n = 20.
Ballast, wool waste. From the Old World.

TRAGUS RACEMOSUS (Linnaeus) Allioni - . 2n = 40.
Ballast, waste areas. From the Old World.







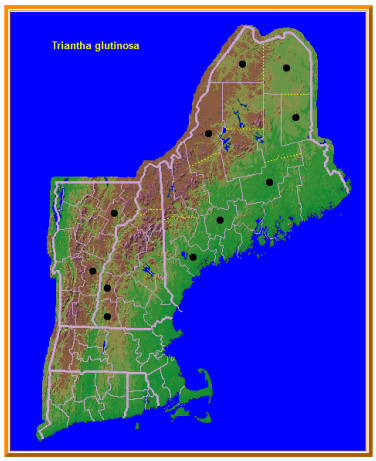
TRAPA (Family: Lythraceae)

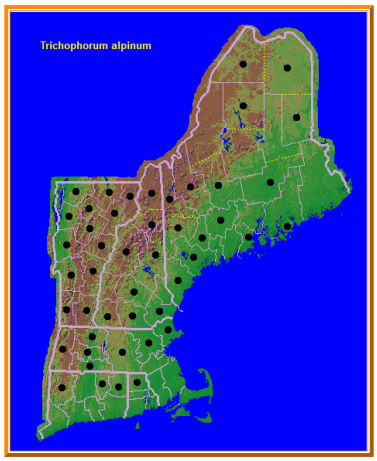
TRAPA NATANS Linnaeus - **Water-chestnut**. 2n = (36), (40), (44), (46), 48, (76), (90), 96.
Roadside ditches, damp clearings, meadows, waste places.

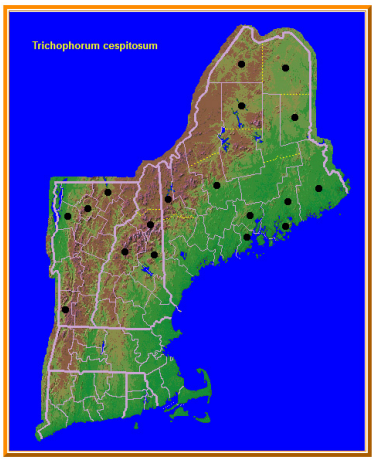
TRIADENUM (Family: Hypericaceae)

Triadenum fraseri (Spach) Gleason - . 2n = 38.
Bogs, marshes, swamps, shores. [*Hypericum fraseri* (Spach) Steudel; *H. virginicum* Linnaeus var. *fraseri* (Spach) Fernald]

Triadenum virginicum (Linnaeus) Rafinesque - **Marsh St. John's-wort**. 2n = 38.
Bogs, marshes, swamps, shores. [*H. virginicum* Linnaeus]







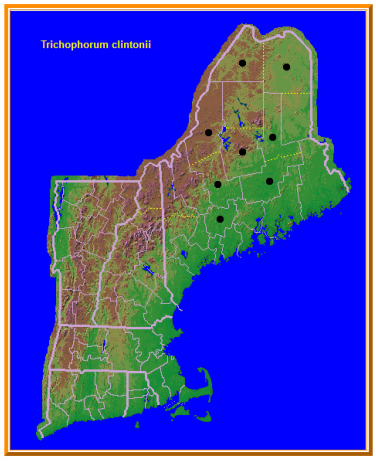
TRIANTHA (Family: Tofieldiaceae)

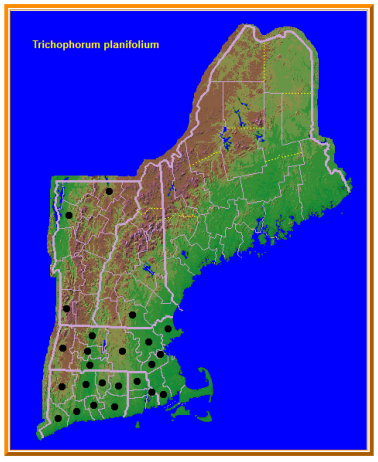
Triantha glutinosa (Michaux) Baker - . 2n = 30.
Marshes (basic), bogs, shores. [*Tofieldia glutinosa* (Michaux) Persoon]

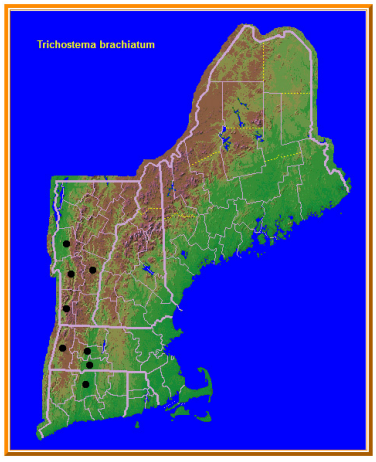
TRICHOPHORUM (Family: Cyperaceae)

Trichophorum alpinum (Linnaeus) Persoon - . 2n = 58.
Bogs, meadows and wet rocks, often in calcareous soil. [*Eriophorum alpinum* Linnaeus; *Scirpus hudsonianus* (Michaux) Fernald]

Trichophorum cespitosum (Linnaeus) Hartman - **Deer's Hair**. 2n = 104.
Bogs, shores, and cliffs, often on mountains. [*Scirpus cespitosus* Linnaeus; *S. cespitosus* var. *callosus* Bigelow; *S. cespitosus* var. *delicatulus* Fernald]





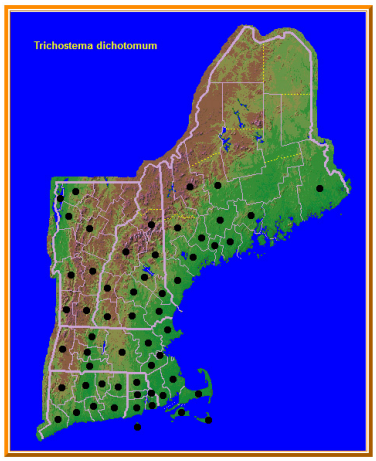


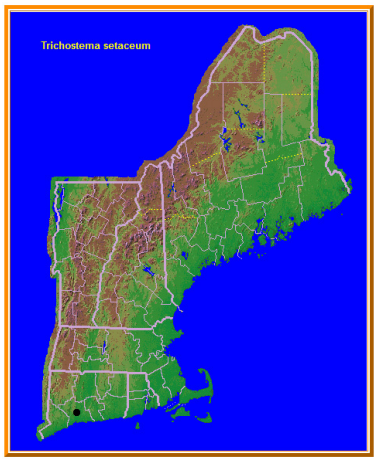
Trichophorum clintonii (A. Gray) S.G. Smith - . 2n = ?
Dry ledges and river shores. [*Scirpus clintonii* A. Gray]

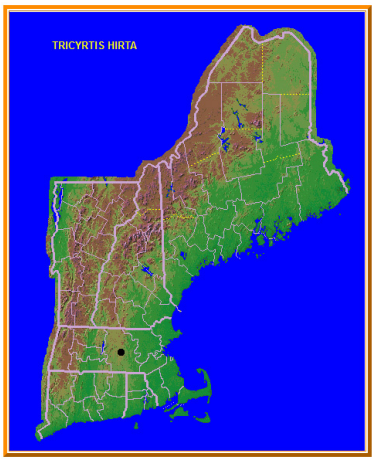
Trichophorum planifolium (Sprengel) Palla - . 2n = ?
Dry, rocky deciduous woods. [*Scirpus verecundus* Fernald]

TRICHOSTEMA (Family: Lamiaceae)

Trichostema brachiatum Linnaeus - **False Pennyroyal**. 2n = 14.
Woodland borders, hillsides, ledges, in dry, often calcareous, soil. [*Isanthus brachiatus* (Linnaeus) Britton, Sterns & Poggenburg]





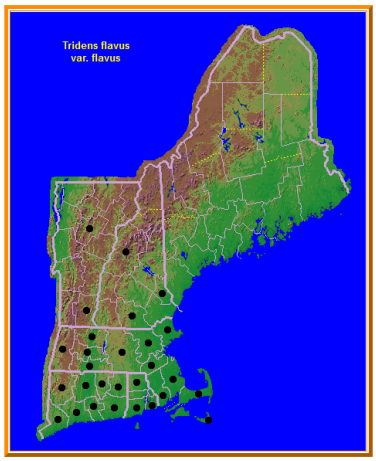


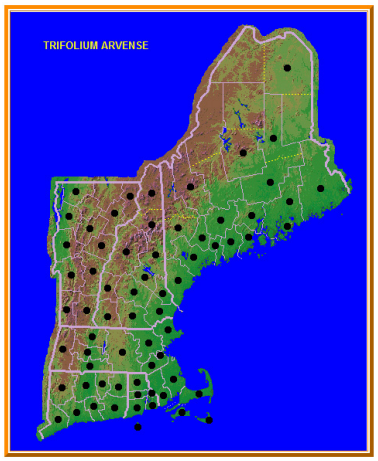
Trichostema dichotomum Linnaeus - **Bluecurls**. 2n = 38.
Dry, open, sandy soil, waste places, roadsides, fields.

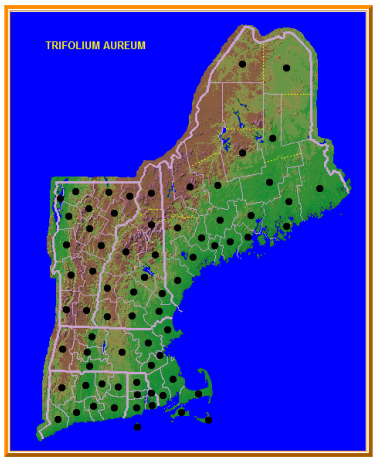
Trichostema setaceum Linnaeus - . 2n = 38.
Dry sands.

TRICYRTIS (Family: Liliaceae)

TRICYRTIS HIRTA (Thunberg) Hooker - **Toad Lily**. 2n = 24-26, 37.
Open woods. From eastern Asia.







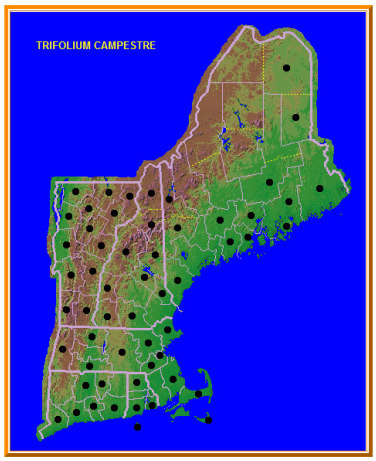
TRIDENS (Family: Poaceae)

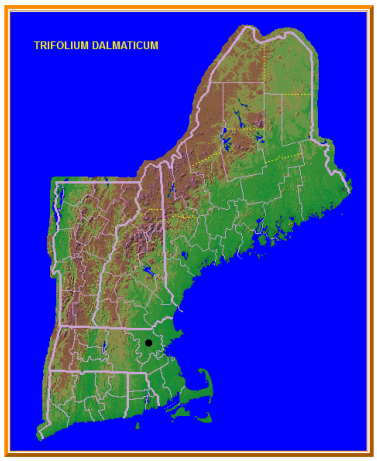
Tridens flavus (Linnaeus) Hitchcock var. ***flavus*** - **Purpletop**. 2n = 40.
Dry fields, roadsides. [*Triodia flava* (Linnaeus) Smyth]

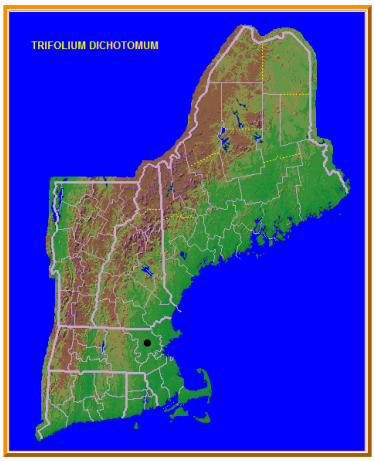
TRIFOLIUM (Family: Fabaceae)

TRIFOLIUM ARVENSE Linnaeus - **Rabbit's-foot Clover**. 2n = 14.
Dry roadsides, fields, waste places. From Eurasia, northern Africa.

TRIFOLIUM AUREUM Pollich - **Yellow Clover**. 2n = 14, (16).
Roadsides, dry fields, waste places. From Eurasia. [*T. AGRARIUM* Linnaeus]



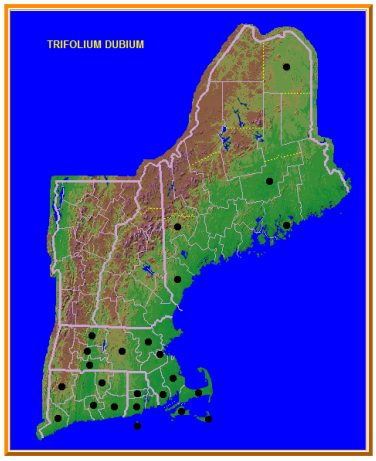


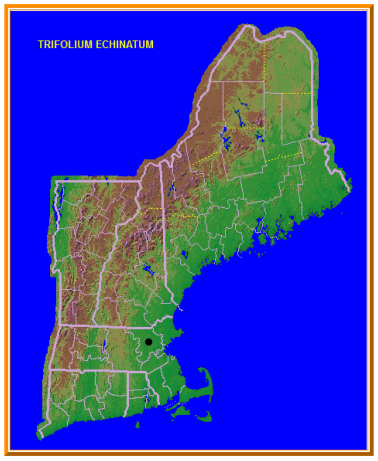


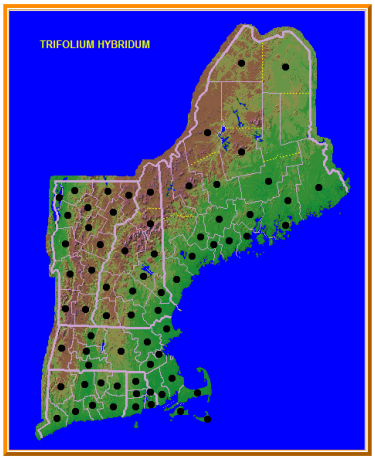
TRIFOLIUM CAMPESTRE Schreber - **Low Hop Clover**. 2n = 14, (16).
Roadsides, dry fields, waste places. From Eurasia, northern Africa. [*T. PROCUMBENS* Linnaeus]

TRIFOLIUM DALMATICUM Visiani - . 2n = 10.
Waste places. From southeastern Europe.

TRIFOLIUM DICHOTOMUM Hooker & Arnott - . 2n = 32.
Wool waste. From farther west.



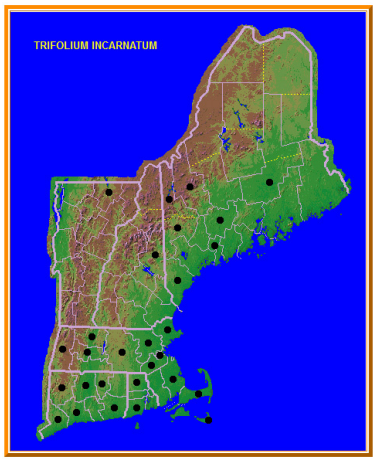


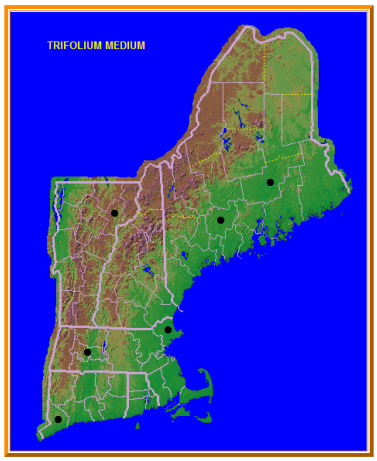


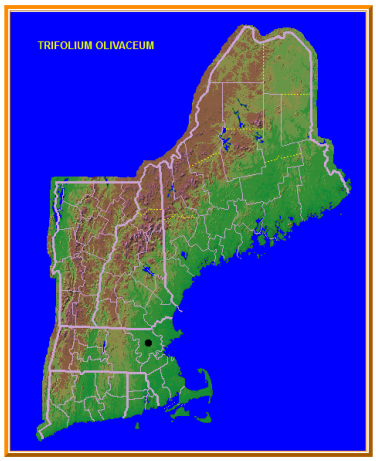
TRIFOLIUM DUBIUM Sibthorp - **Small Hop Clover**. 2n = (14), (16), (28), 32.
Dry roadsides and fields, waste places. From Eurasia, northern Africa.

TRIFOLIUM ECHINATUM M. Bieberstein - **Hedgehog Clover**. 2n = 16.
Wool waste. From Eurasia, northern Africa.

TRIFOLIUM HYBRIDUM Linnaeus - **Alsike Clover**. 2n = 16, (32).
Roadsides, fields, meadows, clearings. From Eurasia, northern Africa. [*T. HYBRIDUM* var. *ELEGANS* (Savi) Boissier]



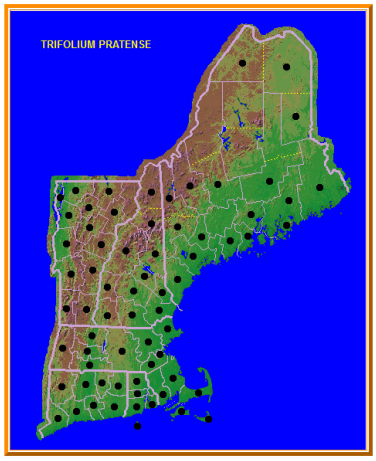


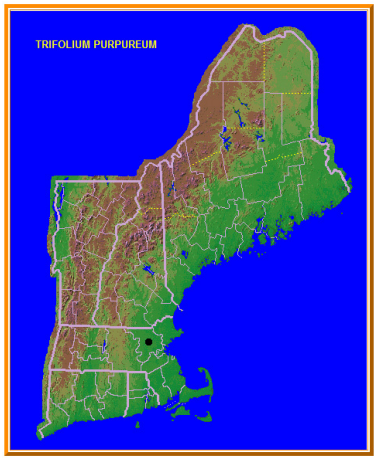


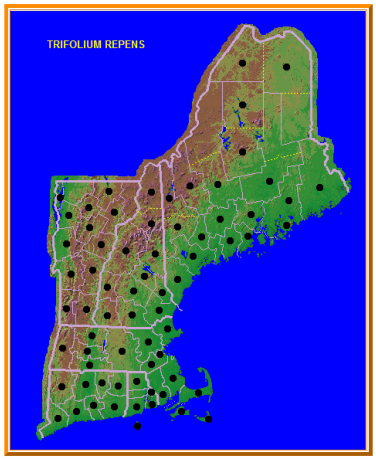
TRIFOLIUM INCARNATUM Linnaeus - **Crimson Clover**. 2n = 14.
Fields, waste places, roadsides. From Eurasia. [*T. INCARNATUM* var. *ELATIUS* Gibelli & Belli]

TRIFOLIUM MEDIUM Linnaeus - **Zigzag Clover**. 2n = (16), 48, 80, (84), (ca. 126), (ca. 130).
Oak woods, fields, roadsides, hillsides. From Eurasia.

TRIFOLIUM OLIVACEUM Greene - . 2n = ?
Wool waste. From farther west.



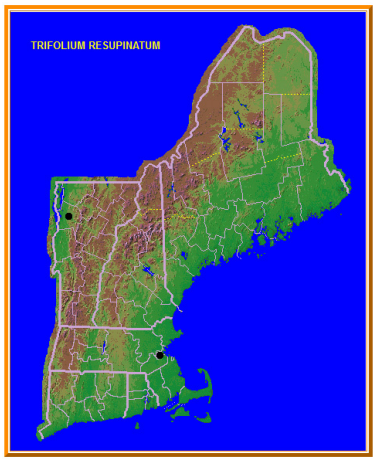


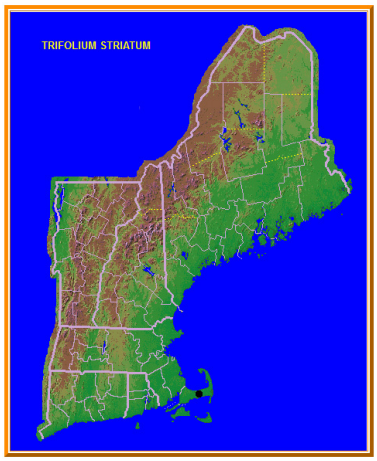


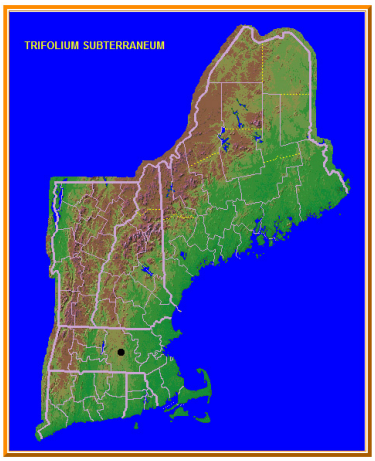
TRIFOLIUM PRATENSE Linnaeus - **Red Clover**. 2n = 14, (16), (28).
Fields, meadows, waste places, roadsides, clearings. From Eurasia, northern Africa. [*T. PRATENSE* var. *SATIVUM* (Schreber) Cincovic]

TRIFOLIUM PURPUREUM Loiseleur-Deslongchamps - **Purple Clover**. 2n = 14, (16).
Wool waste. From Eurasia, northern Africa.

TRIFOLIUM REPENS Linnaeus - **White Clover**. 2n = (16), (24), (28), (30), 32, (64).
Meadows, waste places, fields, roadsides. From Eurasia, northern Africa.



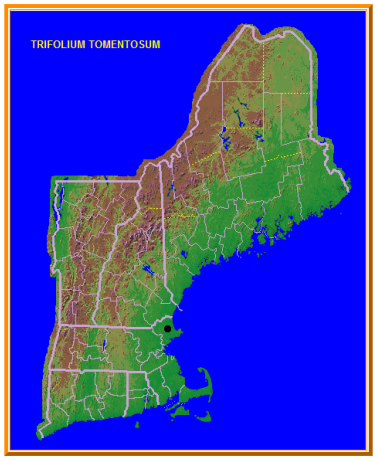


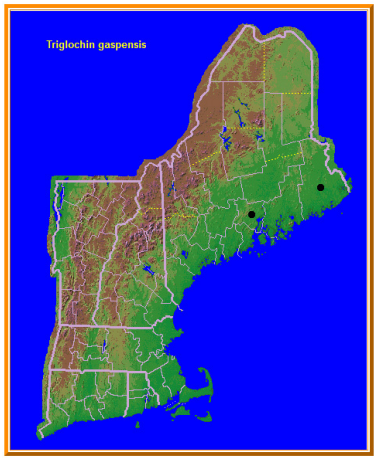


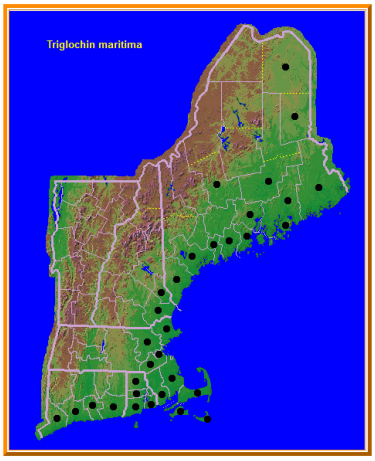
TRIFOLIUM RESUPINATUM Linnaeus - **Persian Clover**. 2n = 16, (32).
Waste areas. From Eurasia, northern Africa.

TRIFOLIUM STRIATUM Linnaeus - **Knotted Clover**. 2n = 14, (16).
Sandy fields. From Eurasia, northern Africa.

TRIFOLIUM SUBTERRANEUM Linnaeus - . 2n = (12), 16.
Wool waste. From Eurasia, northern Africa.





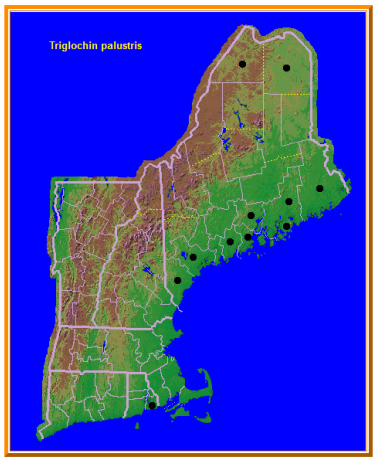


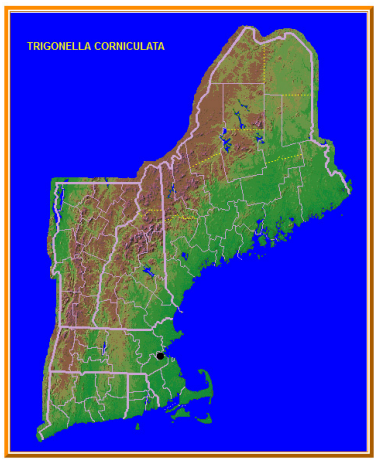
TRIFOLIUM TOMENTOSUM Linnaeus - . 2n = 16.
Wool waste. From Eurasia, northern Africa.

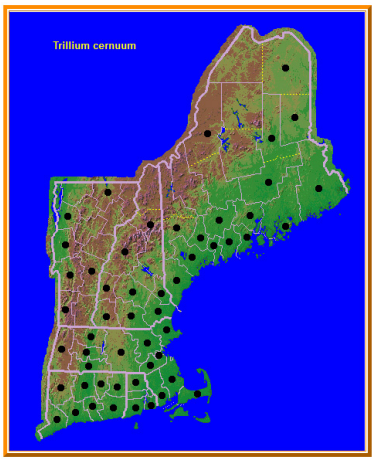
TRIGLOCHIN (Family: Juncaginaceae)

Triglochin gaspensis Lieth & D. Löve - . 2n = 96, (106), (120), (122), (144).
Salt marshes.

Triglochin maritima Linnaeus - . 2n = (12), (24), (30), (36), 48, (96), (120), (144).
Salt, brackish and freshwater marshes.







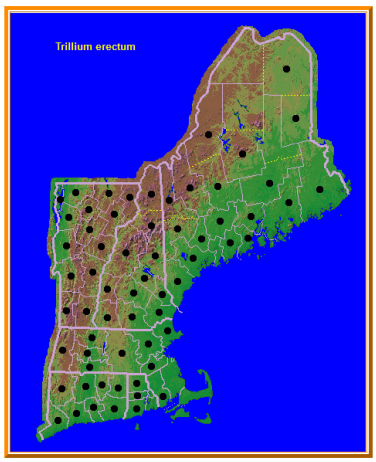
Triglochin palustris Linnaeus - . 2n = 24, (26), (28), (36).
Salt marshes and river shores.

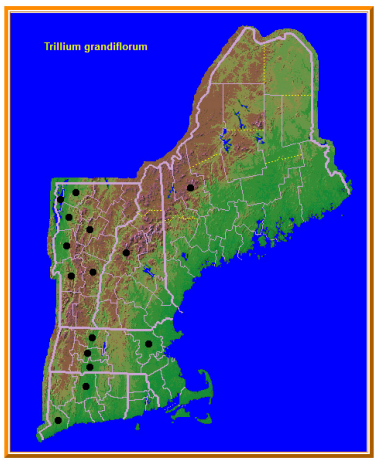
TRIGONELLA (Family: Fabaceae)

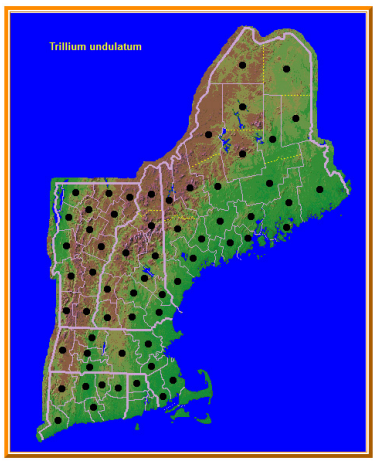
TRIGONELLA CORNICULATA (Linnaeus) Linnaeus - . 2n = 16, (18), (24), (32).
Ballast waste. From Eurasia.

TRILLIUM (Family: Melanthiaceae)

Trillium cernuum Linnaeus - **Nodding Trillium**. 2n = 10.
Rich, damp woods, most often in acid soil. [*T. cernuum* var. *macranthum* Eames & Wiegand]



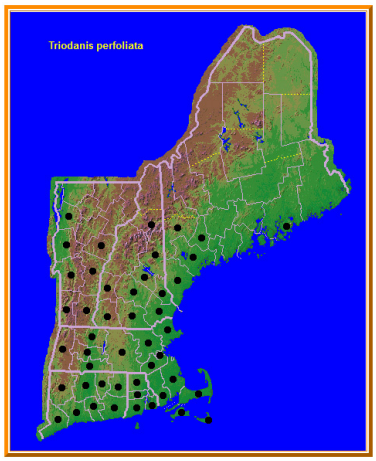


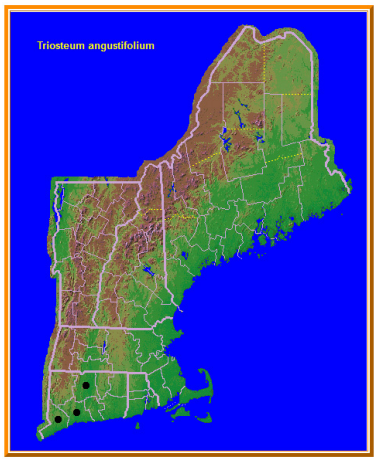


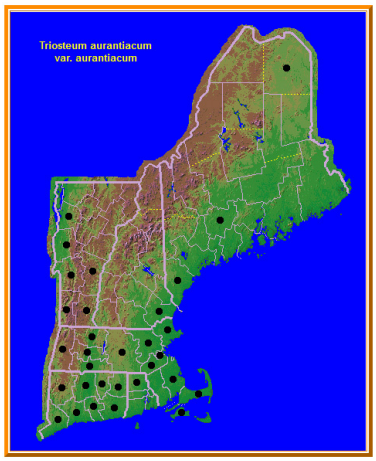
Trillium erectum Linnaeus - **Purple Trillium**. 2n = 10.
Rich woods. [*T. erectum* var. *blandum* Jennison]

Trillium grandiflorum (Michaux) Salisbury - **Snowy Trillium**. 2n = 10.
Rich, usually basic, woods and thickets.

Trillium undulatum Willdenow - **Painted Trillium**. 2n = 10.
Rich, usually wet, woods in acidic soils.







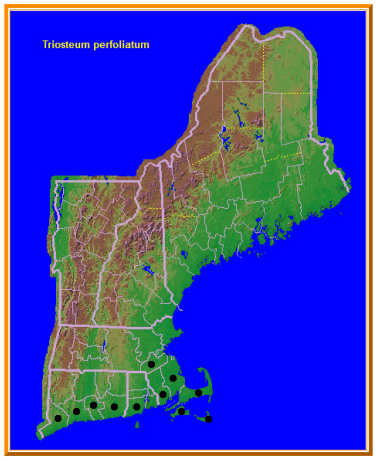
TRIODANIS (Family: Campanulaceae)

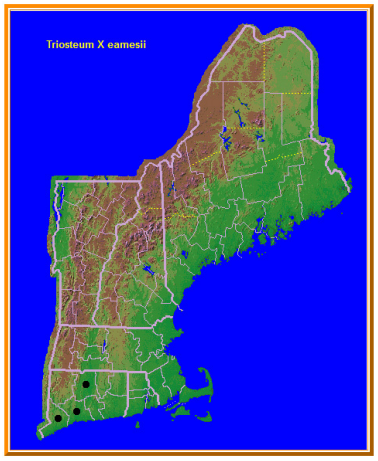
Triodanis perfoliata (Linnaeus) Nieuwland - **Venus's Looking-glass**. 2n = 56.
Woods, ledges, sandy soil, sterile, often disturbed, open ground. [*Specularia perfoliata* (Linnaeus) A. de Candolle]

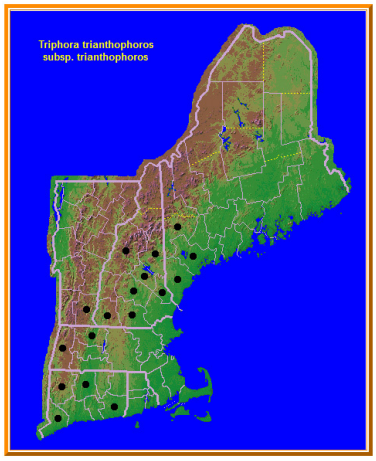
TRIOSTEUM (Family: Caprifoliaceae)

Triosteum angustifolium Linnaeus - **Yellow Horse-Gentian**. 2n = ?
Rocky, rich woods, thickets.

Triosteum aurantiacum E.P. Bicknell var. ***aurantiacum*** - **Red Horse-Gentian**. 2n = ?
Dry, rich, rocky woods, thickets.







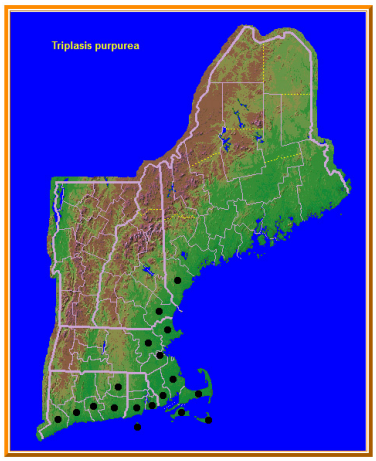
Triosteum perfoliatum Linnaeus - **Tinker's-weed**. 2n = 18.
Woods, thickets, usually in rocky or thin soil.

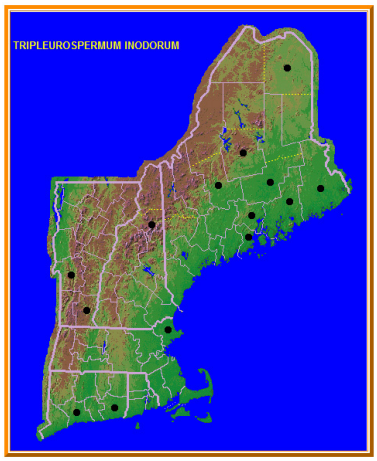
***Triosteum* hybrid**

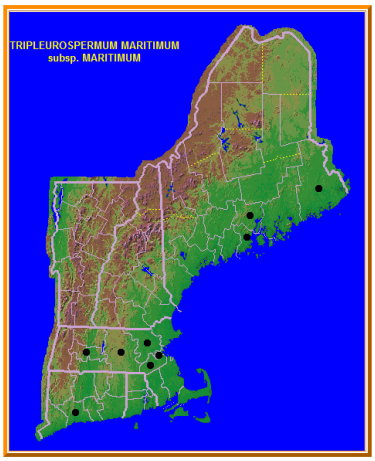
Triosteum X ***eamesii*** (Wiegand) A. Haines - .
[*T. angustifolium* Linnaeus X *T. aurantiacum* E.P. Bicknell]

TRIPHORA (Family: Orchidaceae)

Triphora trianthophoros (Swartz) Rydberg subsp. ***trianthophoros*** - **Nodding Pogonia**. 2n = 44.
Deep humus of rich moist woods with *Fagus*, often on rotten logs.







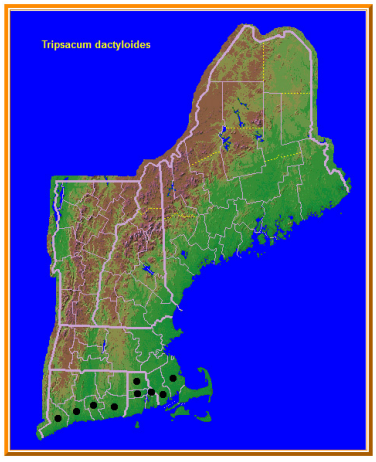
TRIPLASIS (Family: Poaceae)

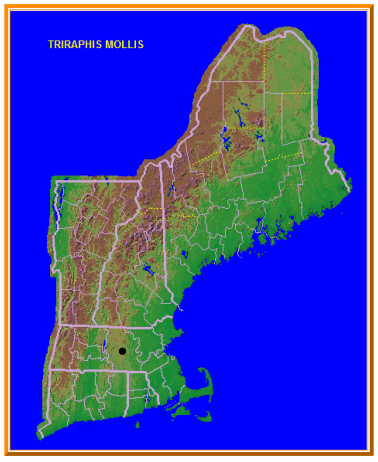
Triplasis purpurea (Walter) Chapman - **Purple Sandgrass**. 2n = 40.
Sand dunes.

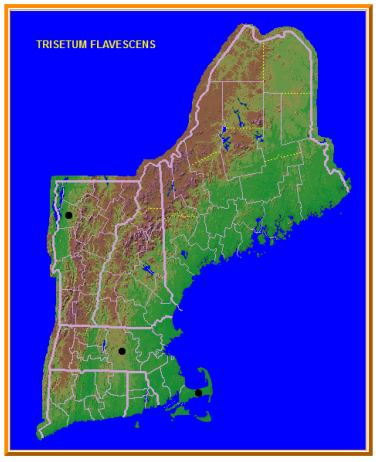
TRIPLEUROSPERMUM (Family: Asteraceae)

TRIPLEUROSPERMUM INODORUM (Linnaeus) Schultz-Bipontinus - **Scentless Chamomile**. 2n = 18, 36.
Fields, roadsides, waste places. From Eurasia. [*T. MARITIMUM* (Linnaeus) W.D.J. Koch subsp. *INODORUM* (Linnaeus) Applequist; *MATRICARIA MARITIMA* Linnaeus var. *AGRESTIS* (Knaf) Wilmott; *M. PERFORATA* Mérat]

TRIPLEUROSPERMUM MARITIMUM (Linnaeus) W.D.J. Koch subsp. ***MARITIMUM*** - **Sea Mayweed**. 2n = 16, (36).
Waste places and roadsides near the coast. From Europe. [*MATRICARIA MARITIMA* Linnaeus var. *MARITIMA*]







TRIPSACUM (Family: Poaceae)

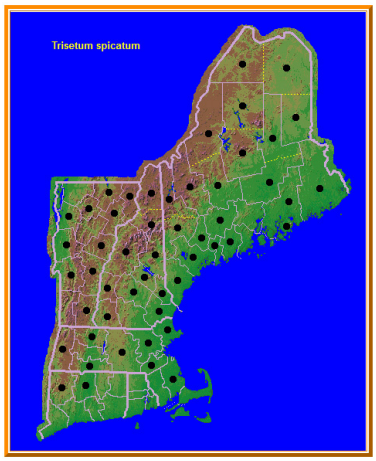
Tripsacum dactyloides (Linnaeus) Linnaeus - **Eastern Gamagrass**. 2n = (18), 36, (45), (54), 72, (90), (108).
Shores, salt marsh borders.

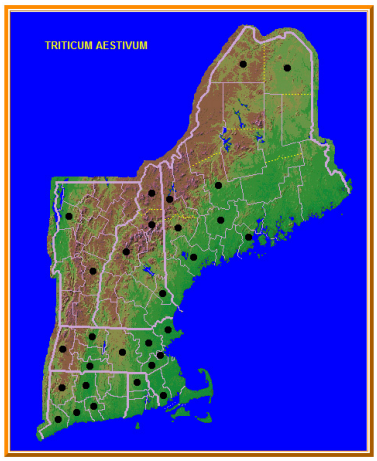
TRIRAPHIS (Family: Poaceae)

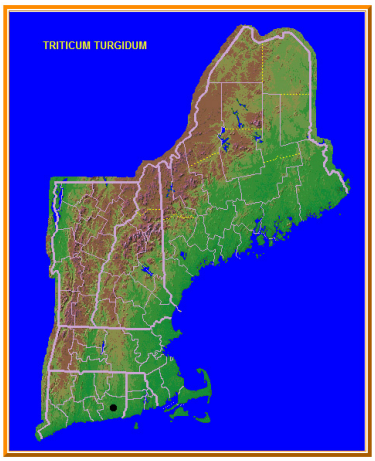
TRIRAPHIS MOLLIS R. Brown - **Purple Heads**. 2n = ?
Wool waste. From Australia.

TRISETUM (Family: Poaceae)

TRISETUM FLAVESCENS (Linnaeus) P. Beauvois - **Yellow Oats**. 2n = 12, 24, 28, 36, (38), (40).
Fields, roadsides. From Europe.





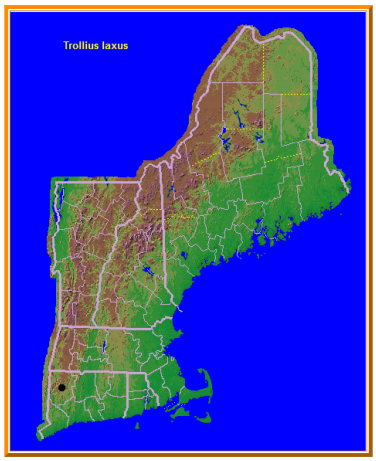


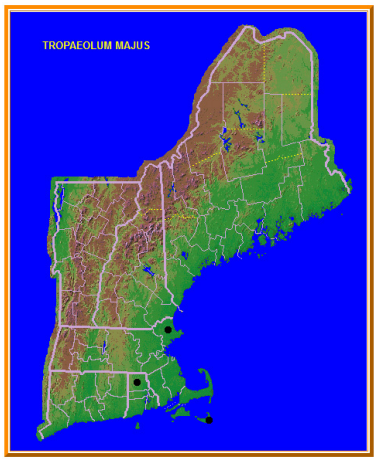
Trisetum spicatum (Linnaeus) K. Richter - . 2n = (14), 28, (42), (56).
Wet ledges, shores. [*T. spicatum* var. *molle* (Kunth) Beal; *T. spicatum* var. *pilosiglume* Fernald]

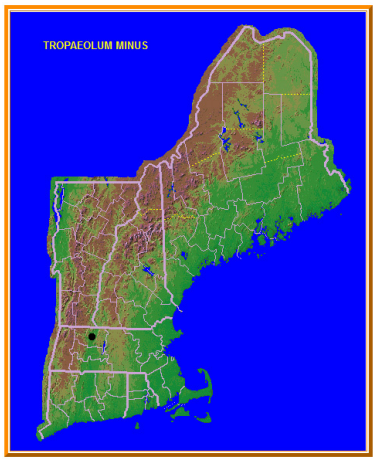
TRITICUM (Family: Poaceae)

TRITICUM AESTIVUM Linnaeus - **Wheat**. 2n = (14), (21), (34), (41), 42, (44), (56).
Waste places. From Eurasia.

TRITICUM TURGIDUM Linnaeus - . 2n = (14), (21), 28, (38), (42).
Waste places. From Eurasia.







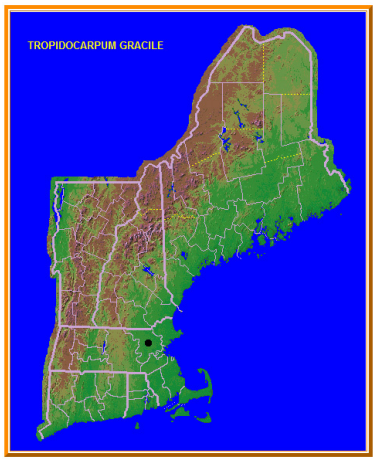
TROLLIUS (Family: Ranunculaceae)

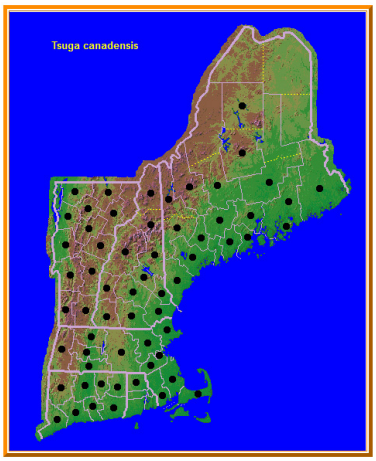
Trollius laxus Salisbury - **Spreading Globe-flower**. 2n = 32.
Meadows and open swamps in calcareous soil.

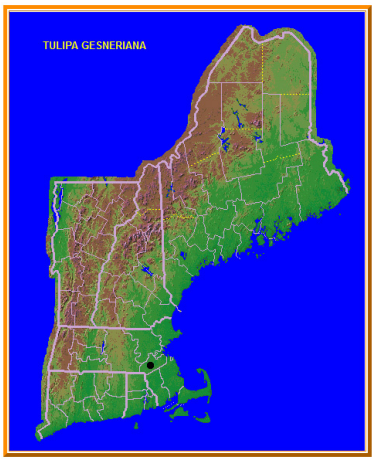
TROPAEOLUM (Family: Tropaeolaceae)

TROPAEOLUM MAJUS Linnaeus - **Garden Nasturtium**. 2n = (24), 28.
Waste places, roadsides. From South America.

TROPAEOLUM MINUS Linnaeus - **Dwarf Nasturtium**. 2n = 28.
Roadsides near dwellings. From South America.







TROPIDOCARPUM (Family: Brassicaceae)

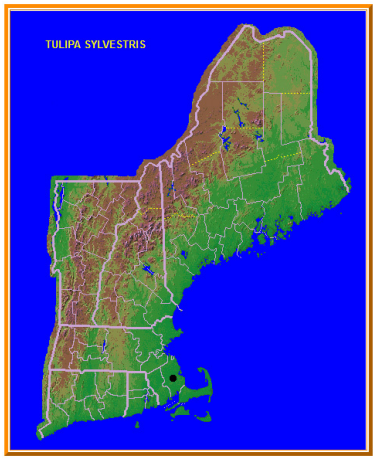
TROPIDOCARPUM GRACILE Hooker - **Dobie Pod**. 2n = 16.
Wool waste. From farther west.

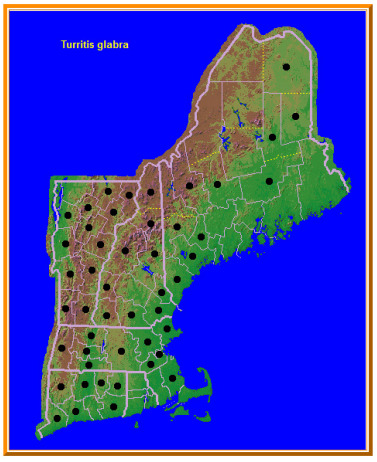
TSUGA (Family: Pinaceae)

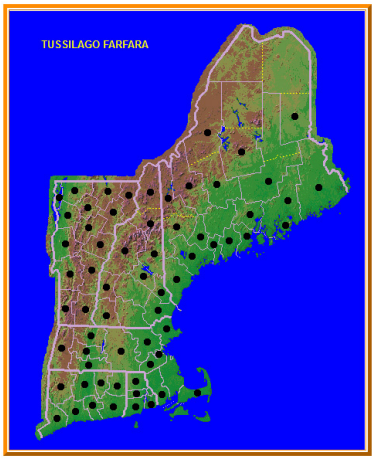
Tsuga canadensis (Linnaeus) Carrière - **Eastern Hemlock**. 2n = 24.
Cool moist slopes, ravines, moist woods, swamps, mucky soils near ponds and streams.

TULIPA (Family: Liliaceae)

TULIPA GESNERIANA Linnaeus - **Garden Tulip**. 2n = 24, (25), (26), 36, (48).
Waste areas. From Eurasia.







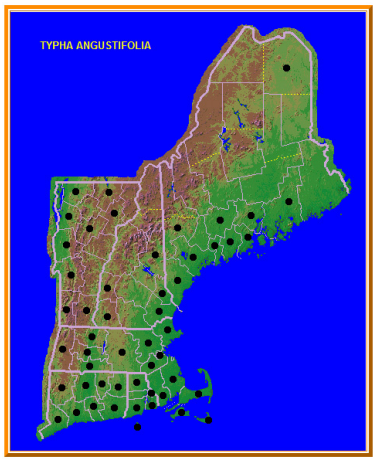
TULIPA SYLVESTRIS Linnaeus - . 2n = (24), 48.
Meadows. From Europe.

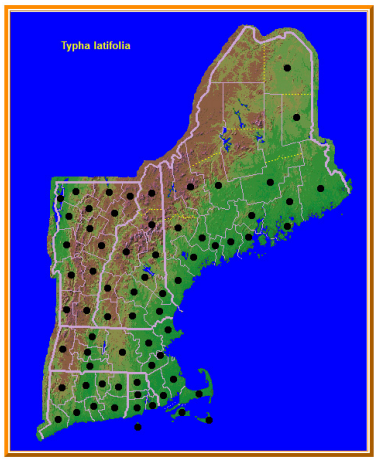
TURRITIS (Family: Brassicaceae)

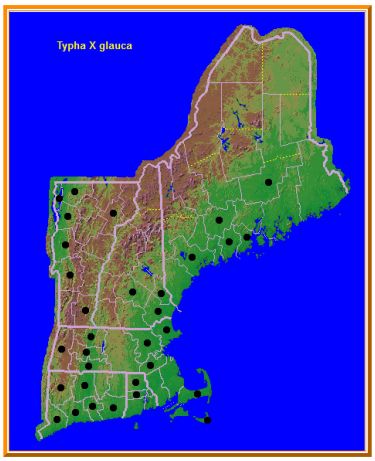
Turritis glabra Linnaeus - **Tower-mustard**. 2n = 12, (16), (32).
Rich, open woods, ledges, fields, railroads. [*Arabis glabra* (Linnaeus) Bernhardi]

TUSSILAGO (Family: Asteraceae)

TUSSILAGO FARFARA Linnaeus - **Coltsfoot**. 2n = 60.
Brooksides, moist banks, railroads, waste places, roadsides, trail edges. From Eurasia, northern Africa.







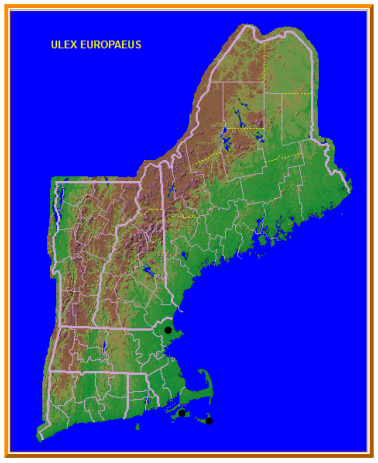
TYPHA (Family: Typhaceae)

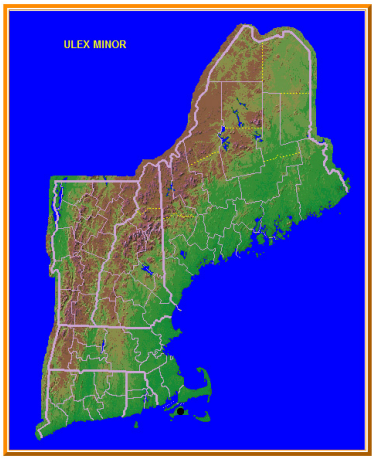
TYPHA ANGUSTIFOLIA Linnaeus - . 2n = 30, (60).
Salt marshes, inland marshes, mostly alkaline or near highways. From Eurasia, northern Africa.

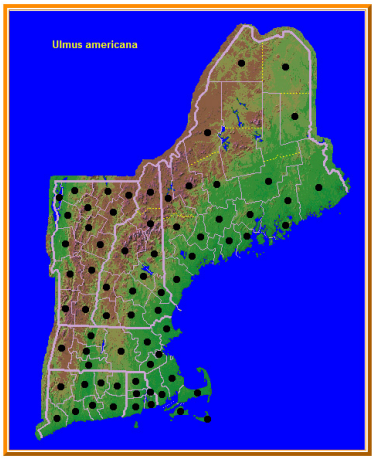
Typha latifolia Linnaeus - **Common Cat-tail**. 2n = 30.
Marshes, shores, roadside ditches.

***Typha* hybrid**

Typha X ***glauca*** Godron (*pro species*) - .
[*T. angustifolia* Linnaeus X *T. latifolia* Linnaeus]







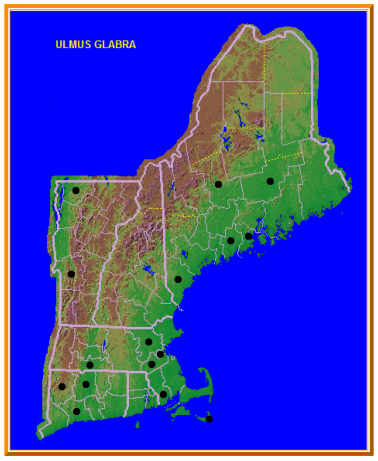
ULEX (Family: Fabaceae)

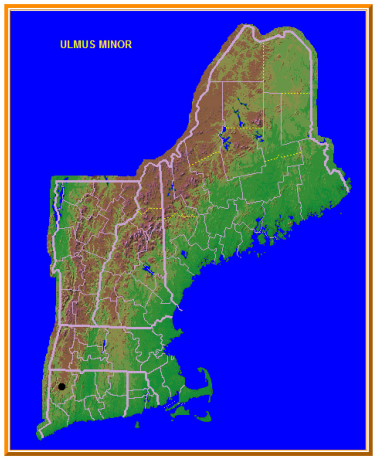
ULEX EUROPAEUS Linnaeus - **Common Gorse**. 2n = (32), (64), 96.
Rocky headland turf, dry slopes, pine woods, usually in sandy soil. From Europe.

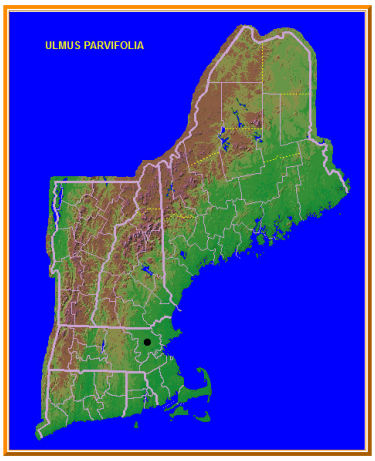
ULEX MINOR Roth - **Dwarf Gorse**. 2n = 32.
Sand plains. From Europe. [*U. NANUS* T.F. Forster *ex* Symons]

ULMUS (Family: Ulmaceae)

Ulmus americana Linnaeus - **American Elm**. 2n = 56.
Rich soil along streams, roadsides.



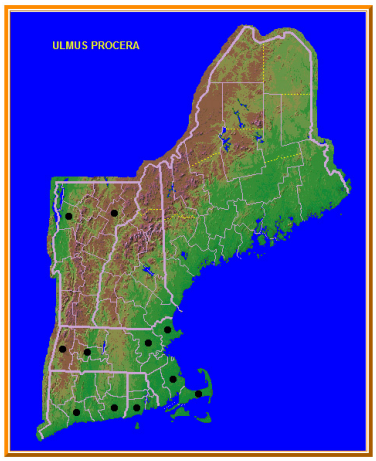


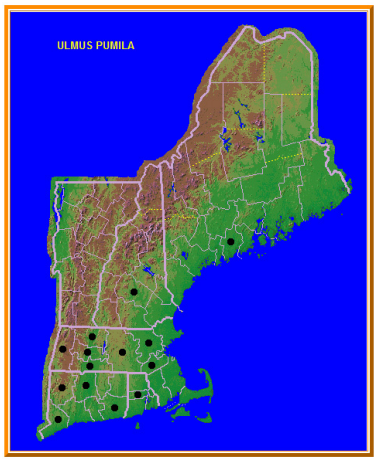


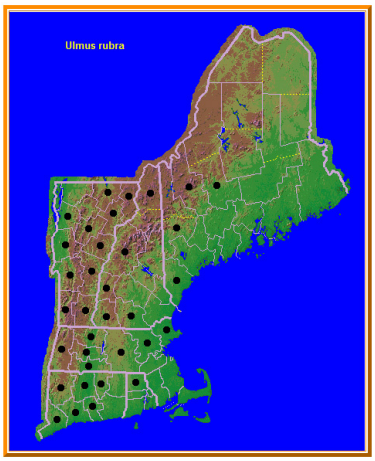
ULMUS GLABRA Hudson - **Wych Elm**. 2n = 28.
Roadsides, woodlands. From Eurasia.

ULMUS MINOR Miller - **Smooth-leaved Elm**. 2n = 28.
Roadsides. From Eurasia and northern Africa. [*U. CARPINIFOLIA* Gleditsch]

ULMUS PARVIFOLIA Jacquin - **Chinese Elm**. 2n = 28.
Roadsides. From eastern Asia.



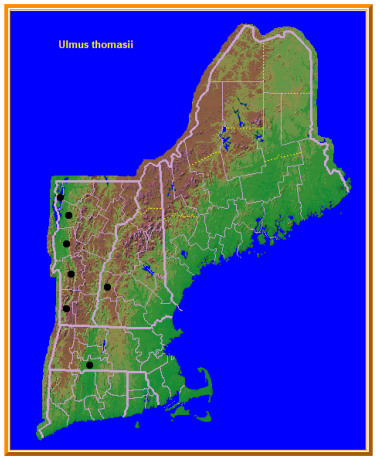


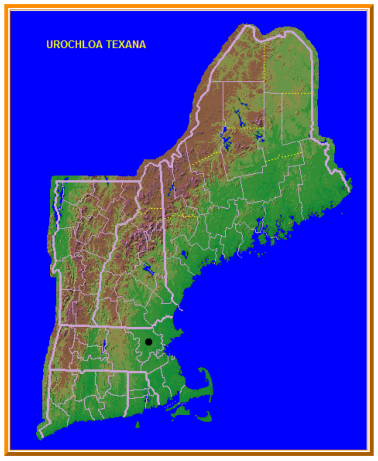


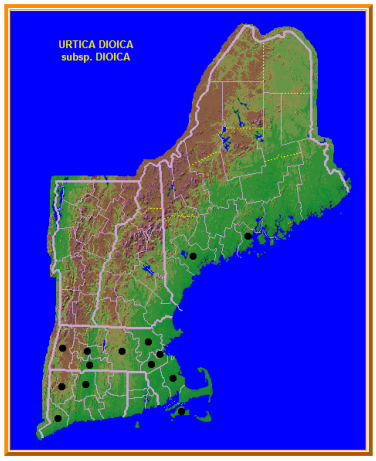
ULMUS PROCERA Salisbury - **English Elm**. 2n = 28.
Roadsides. From Europe.

ULMUS PUMILA Linnaeus - **Siberian Elm**. 2n = 28.
Railroads, roadsides, woodland borders. From Asia.

Ulmus rubra Muhlenberg - **Slippery Elm**. 2n = 28.
Rich soil, often calcareous, often along streams.







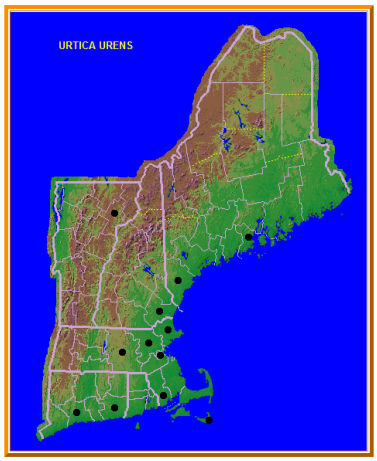
Ulmus thomasii Sargent - **Rock Elm**. 2n = 28.
Calcareous ledges, rich upland woods.

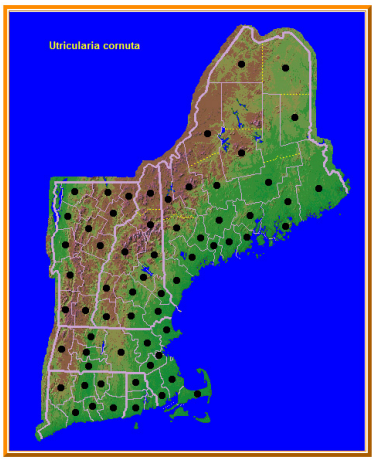
UROCHLOA (Family: Poaceae)

UROCHLOA TEXANA (Buckley) R. D. Webster - **Texas Millet**. 2n = 36, 54.
Fields, waste places. From farther west [*PANICUM TEXANUM* Buckley]

URTICA (Family: Urticaceae)

URTICA DIOICA Linnaeus subsp. ***DIOICA*** - **Stinging Nettle**. 2n = (26), (48), 52.
Waste places, roadsides. From Eurasia.



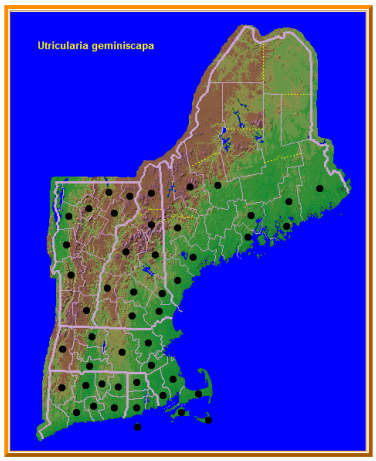


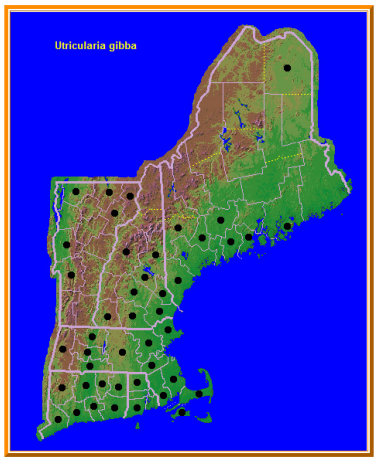
Urtica dioica Linnaeus subsp. ***gracilis*** (Aiton) Selander - **Wild Stinging Nettle**. 2n = 26, 52.
Thickets, rich, damp soil, roadsides, waste places. [*U. gracilis* Aiton; *U. procera* Muhlenberg *ex* Willdenow; *U. viridis* Rydberg]

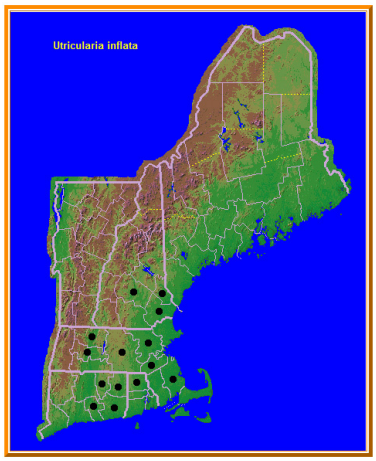
URTICA URENS Linnaeus - **Dog Nettle**. 2n = 24, 26.
Waste places, roadsides. From Eurasia.

UTRICULARIA (Family: Lentibulariaceae)

Utricularia cornuta Michaux - . 2n = 18.
Pond shores, bogs.



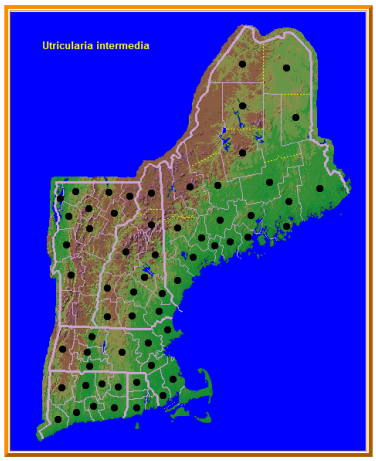


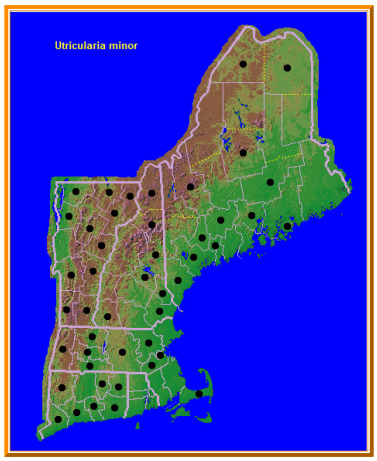


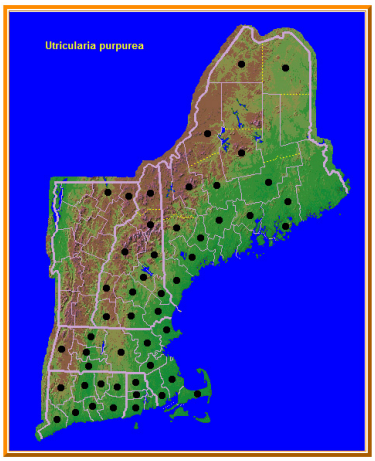
Utricularia geminiscapa Benjamin - . 2n = ?
Ponds, pools, sluggish streams.

Utricularia gibba Linnaeus - . 2n = ?
Ponds, pools, bogs. [*U. biflora* Lamarck; *U. fibrosa* Walter]

Utricularia inflata Walter - . 2n = 18, 36.
Ponds.



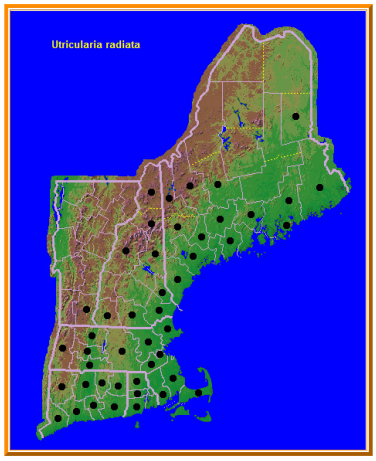


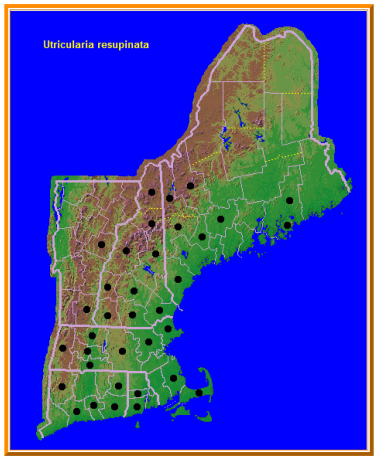


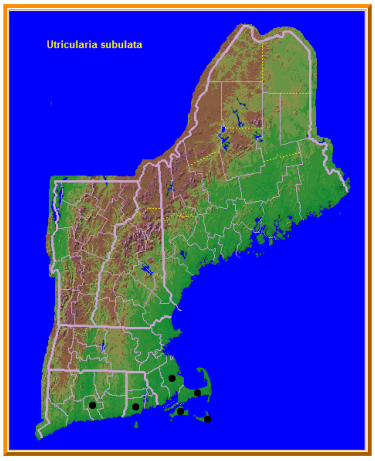
Utricularia intermedia Hayne - . 2n = (22), 44.
Ponds, pools, bogs, swamps.

Utricularia minor Linnaeus - . 2n = 36, 44.
Ponds, pools, wet meadows, bogs, shores.

Utricularia purpurea Walter - . 2n = ?
Ponds, sluggish streams.



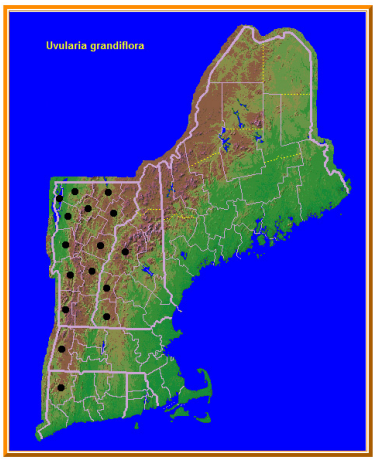


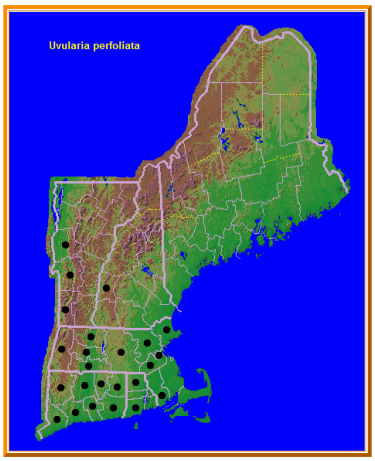


Utricularia radiata Small - . 2n = ?
Ponds, sluggish streams. [*U. inflata* Walter var. *minor* Chapman]

Utricularia resupinata B.D. Greene *ex* Bigelow - . 2n = 44.
Shores of ponds, lakes and rivers.

Utricularia subulata Linnaeus - . 2n = ?
Sandy pond shores, swamps, in peat or leaf mold.



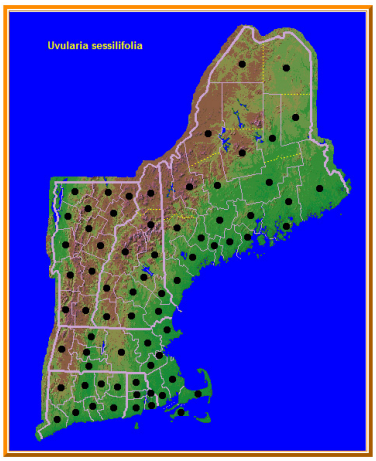


Utricularia vulgaris Linnaeus subsp. ***macrorhiza*** (Leconte) R.T. Clausen - . 2n = 36, 44.
Ponds and other quiet water. [*U. vulgaris* subsp. *vulgaris* misapplied]

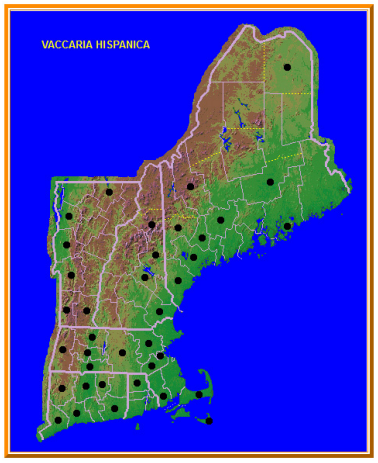
UVULARIA (Family: Colchicaceae)

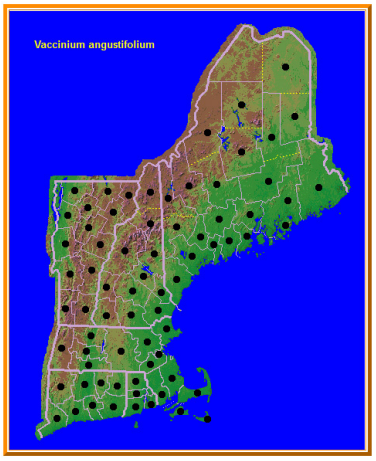
Uvularia grandiflora Smith - **Big Merry-bells**. 2n = 14.
Rich, moist woods and thickets, chiefly basic.

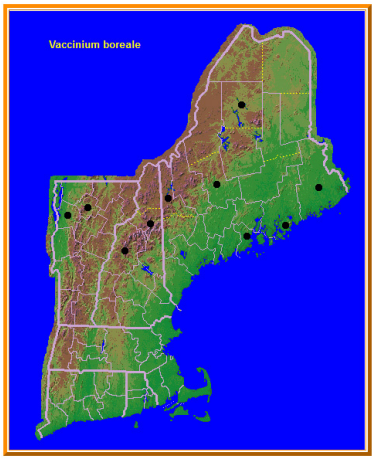
Uvularia perfoliata Linnaeus - **Perfoliate Bellwort**. 2n = 14.
Rich, usually dry, woods and thickets, preferring acid soils.



Uvularia sessilifolia Linnaeus - **Wild-oats**. 2n = 14.
Woods, thickets, clearings







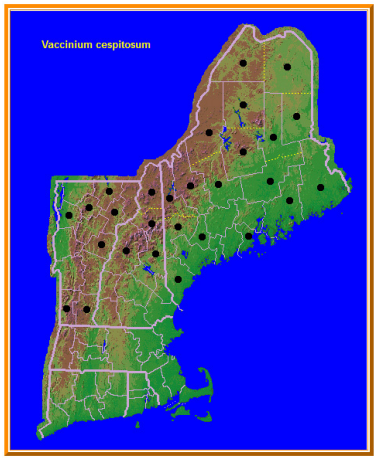
VACCARIA (Family: Caryophyllaceae)

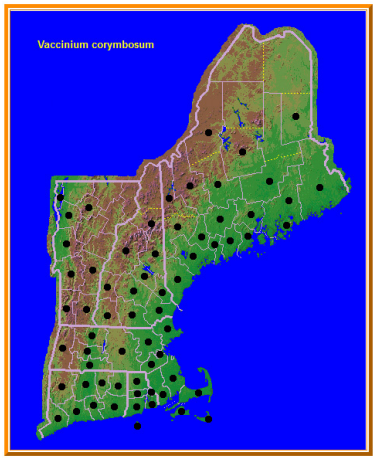
VACCARIA HISPANICA (Miller) Rauschert - **Cowherb**. 2n = (20), (24), (28), 30, (60).
Waste places, roadsides, fields. From Eurasia. [*SAPONARIA VACCARIA* Linnaeus]

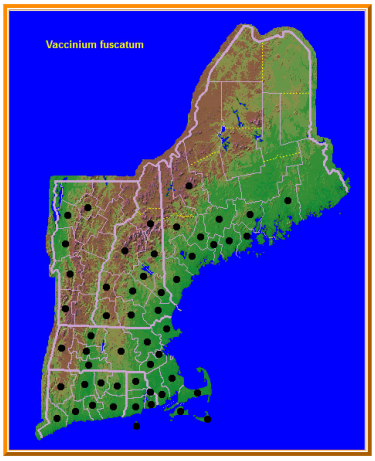
VACCINIUM (Family: Ericaceae)

Vaccinium angustifolium Aiton - **Early Lowbush Blueberry**. 2n = (24), 48.
Openings, wood borders, old pastures, dry, open barrens, peats, and rocks. [*V. angustifolium* var. *hypolasium* Fernald; *V. angustifolium* var. *laevifolium* House; *V. angustifolium* var. *nigrum* (Alph. Wood) Dole; *V. brittonii* Porter *ex* E.P. Bicknell; *V. lamarckii* Camp]

Vaccinium boreale I.V. Hall & Aalders - **Northern Blueberry**. 2n = 24.
Alpine heaths and meadows, open, rocky uplands.



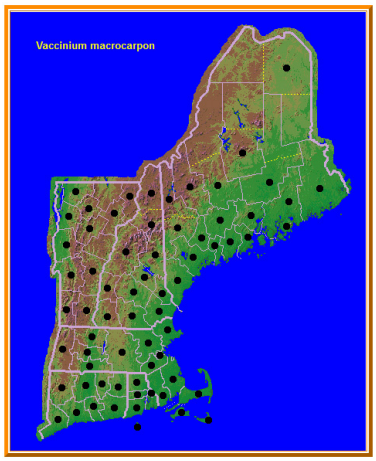


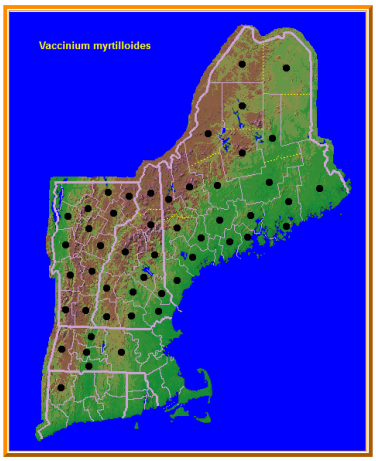


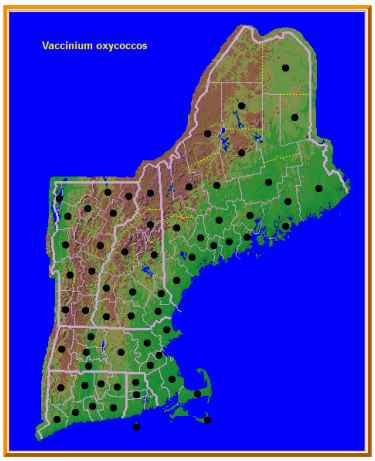
Vaccinium cespitosum Michaux - **Dwarf Bilberry**. 2n = 24.
Alpine and subalpine areas, but also rocky shores at lower elevations.

Vaccinium corymbosum Linnaeus - **Highbush Blueberry**. 2n = (24), 48, (72).
Swamps, bogs, shores, low woods, dry uplands. [*V. corymbosum* var. *albiflorum* (Hooker) Fernald; *V. corymbosum* var. *glabrum* A. Gray; *V. caesariense* Mackenzie] Note: Our treatment differs from Flora of North America, Volume 8 (Flora of North America Editorial Committee 2009) in that we treat *V. fuscatum* Aiton separately, based on the judgment of some botanists (e.g., Uttal 1987; Ward 1974) and one of us (Boufford).

Vaccinium fuscatum Aiton - **Black Highbush Blueberry**. 2n = 24.
Swamps, bogs, low woods. [*V. atrococcum* (A. Gray) A. Heller] See note under preceding taxon.



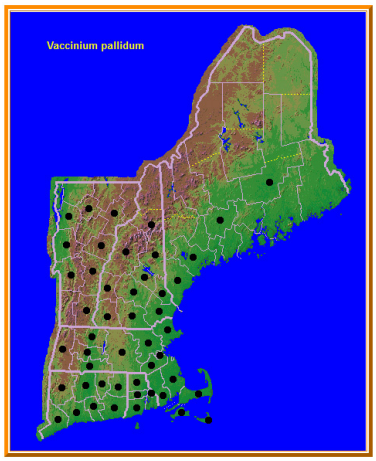


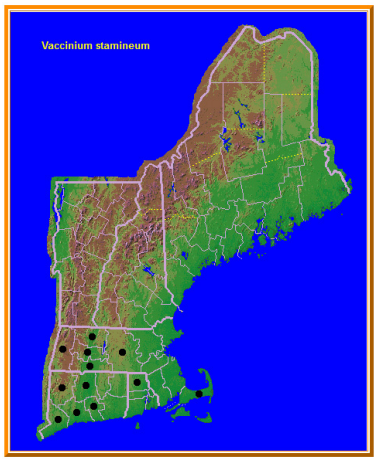


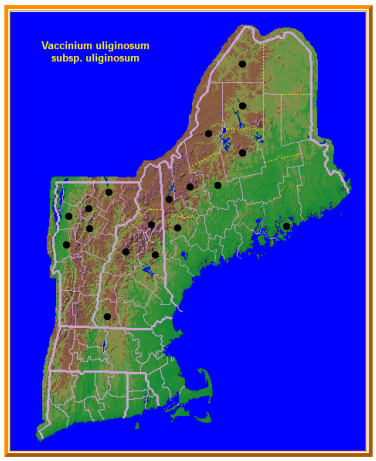
Vaccinium macrocarpon Aiton - **Large Cranberry**. 2n = 24.
Bogs, swamps, wet shores. [*Oxycoccus macrocarpus* (Aiton) Persoon]

Vaccinium myrtilloides Michaux - **Velvetleaf Blueberry**. 2n = 24.
Margins of woods, thin woods, bogs, clearings.

Vaccinium oxycoccos Linnaeus - **Small Cranberry**. 2n = 24, 48, 60, 72.
Sphagnum bogs. [*V. oxycoccos* var. *ovalifolium* Michaux; *Oxycoccus palustris* Persoon var. *palustris*; *O. palustris* var. *ovalifolius* (Michaux) F. Seymour]



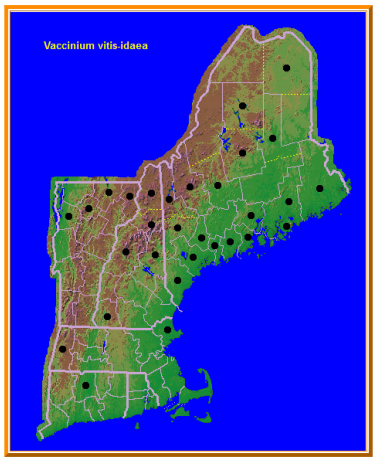


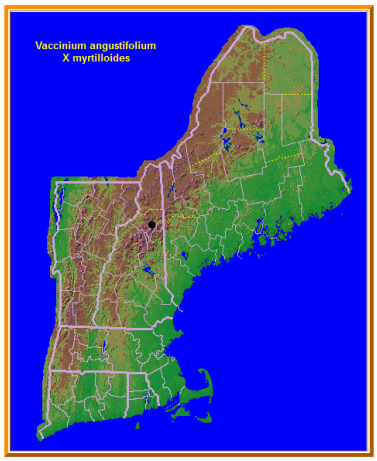


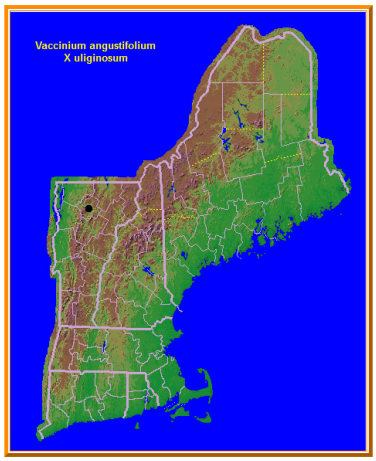
Vaccinium pallidum Aiton - **Late Lowbush Blueberry**. 2n = 24, (48), (72).
Dry fields, dry, open woods, clearings. [*V. vacillans* Kalm *ex* Torrey var. *vacillans*; *V. vacillans* var. *crinitum* Fernald]

Vaccinium stamineum Linnaeus - **Deerberry**. 2n = 24.
Dry, open woods, thickets, clearings.

Vaccinium uliginosum Linnaeus subsp. ***uliginosum*** - **Alpine Bilberry**. 2n = (24), 48, (72).
Rocky or peaty barrens, upper slopes of mountains, alpine thickets. [*V. uliginosum* var. *alpinum* Bigelow]





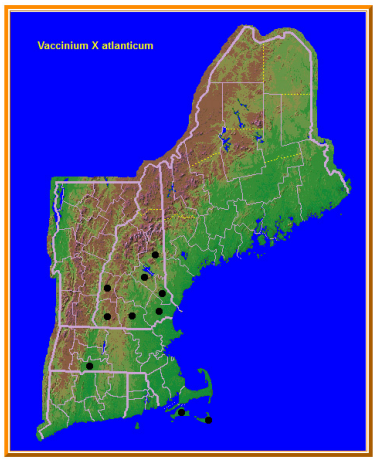


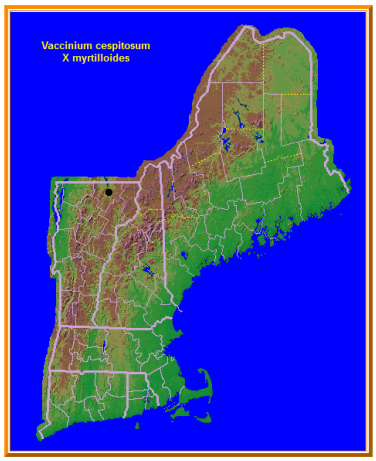
Vaccinium vitis-idaea Linnaeus - **Mountain Cranberry**. 2n = 24.
Rocky or dry, peaty soil, chiefly in exposed habitats at higher altitudes. [*V. vitis-idaea* var. *minus* Loddiges, G. Loddiges, & W. Loddiges]

***Vaccinium* hybrids**

Vaccinium angustifolium Aiton X ***V. myrtilloides*** Michaux - .

Vaccinium angustifolium Aiton X ***V. uliginosum*** Linnaeus - .

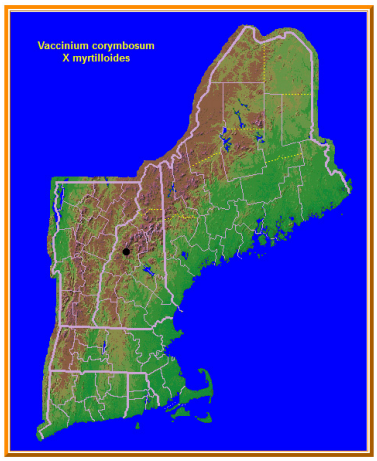




Vaccinium X ***atlanticum*** E.P. Bicknell (*pro species*) - .
[*V. angustifolium* Aiton X *V. corymbosum* Linnaeus]

Vaccinium boreale I.V. Hall & Aalders X ***V. myrtilloides*** Michaux - .

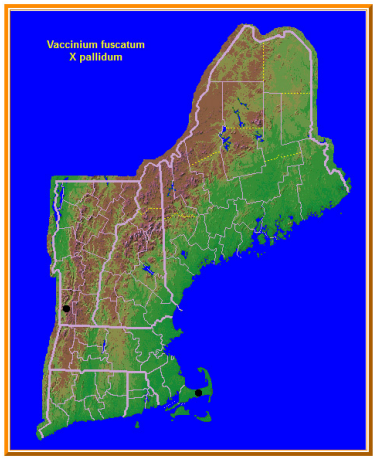
Vaccinium cespitosum Michaux X ***V. myrtilloides*** Michaux - .

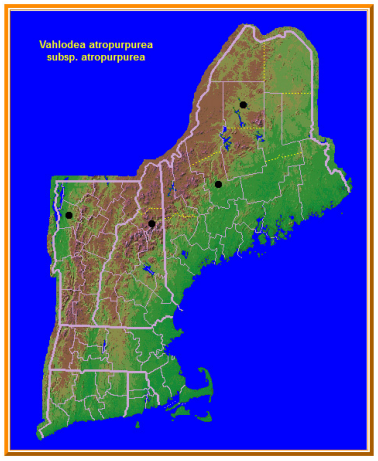


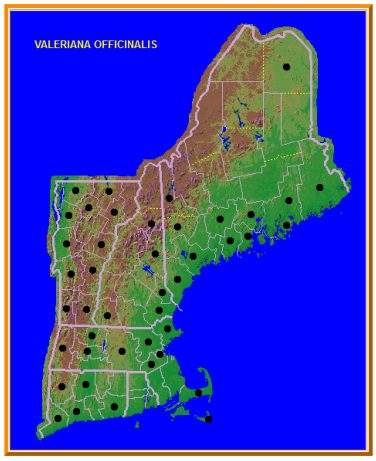
Vaccinium corymbosum Linnaeus X ***V. fuscatum*** Aiton - .

Vaccinium corymbosum Linnaeus X ***V. myrtilloides*** Michaux - .

Vaccinium corymbosum Linnaeus X ***V. pallidum*** Aiton - .







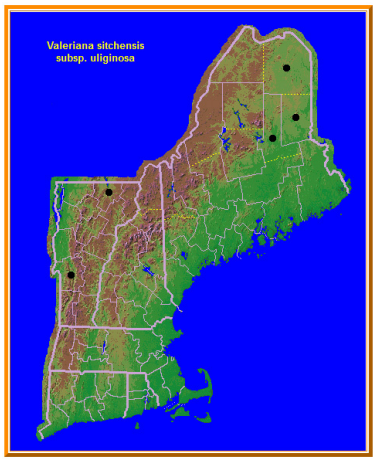
Vaccinium fuscatum Aiton X ***V. pallidum*** Aiton - .

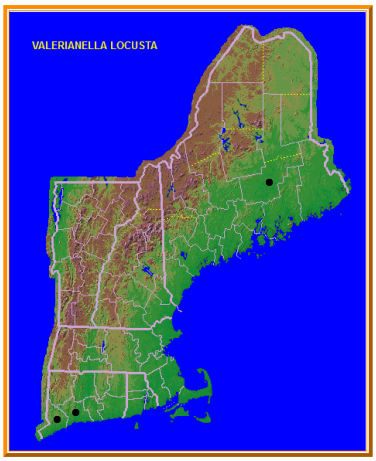
VAHLODEA (Family: Poaceae)

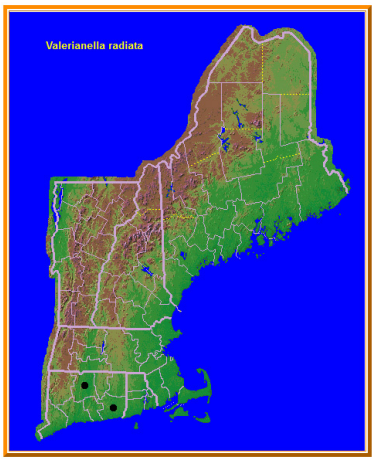
Vahlodea atropurpurea (Wahlenberg) Fries *ex* Hartman subsp. ***atropurpurea*** - **Mountain Hairgrass**. 2n = 14.
High altitudes. [*Deschampsia atropurpurea* (Wahlenberg) Scheele]

VALERIANA (Family: Caprifoliaceae)

VALERIANA OFFICINALIS Linnaeus - **Garden-Heliotrope**. 2n = 14, 28, (42), 56, (70).
Roadsides, thickets, woodland margins, waste places. From Eurasia.





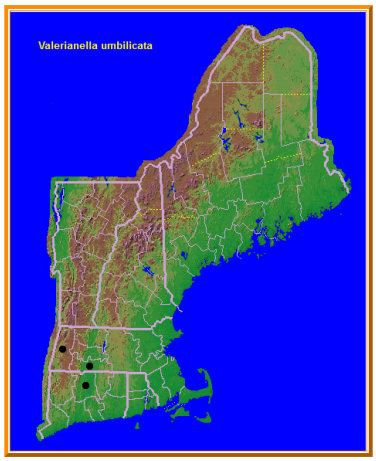


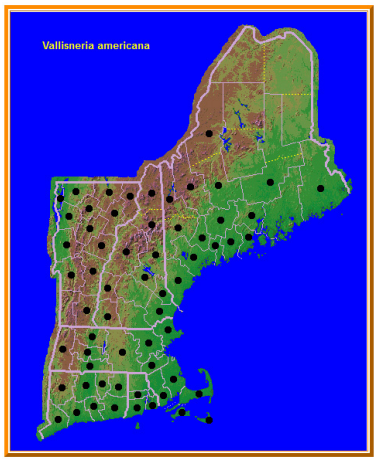
Valeriana sitchensis Bongard subsp. ***uliginosa*** (Torrey & A. Gray) F.G. Meyer - . 2n = ?
Calcareous swamps and bogs, usually with *Thuja occidentalis*. [*V. uliginosa* (Torrey & A. Gray) Rydberg *ex* Britton]

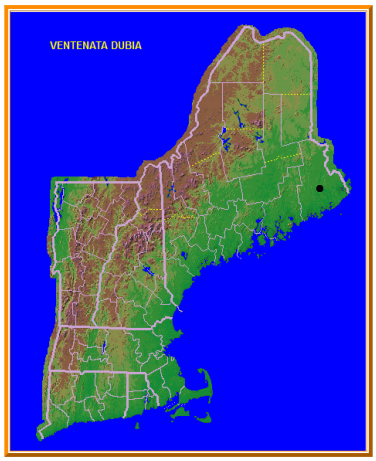
VALERIANELLA (Family: Caprifoliaceae)

VALERIANELLA LOCUSTA (Linnaeus) Laterrade - **Lamb's-lettuce**. 2n = 14, 16.
Waste places, roadsides. From Eurasia, northwestern Africa. [*V. OLITORIA* (Linnaeus) Pollich]

Valerianella radiata (Linnaeus) Dufresne - . 2n = 90.
Riverbanks, moist fields, low ground. [*V. radiata* var. *fernaldii* Dyal]







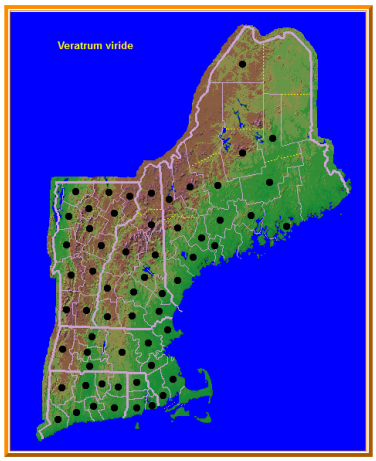
Valerianella umbilicata (Sullivant) Alphonso Wood - . 2n = 30.
Damp, open places. [*V. intermedia* Dyal]

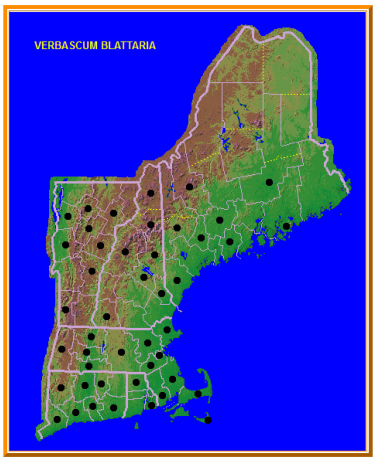
VALLISNERIA (Family: Hydrocharitaceae)

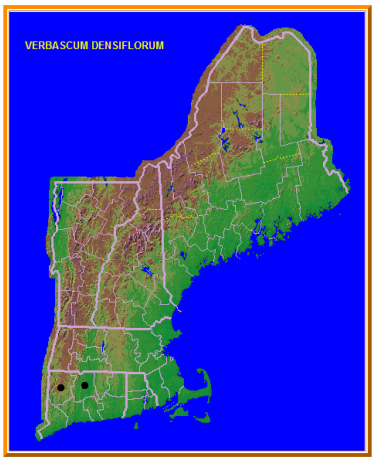
Vallisneria americana Michaux - **Water-celery**. 2n = 20.
Ponds and quiet streams.

VENTENATA (Family: Poaceae)

VENTENATA DUBIA (Leers) Cosson - . 2n = 14.
Roadsides, fields. From southern Europe, northern Africa, Middle East. [*AVENA DUBIA* Leers]







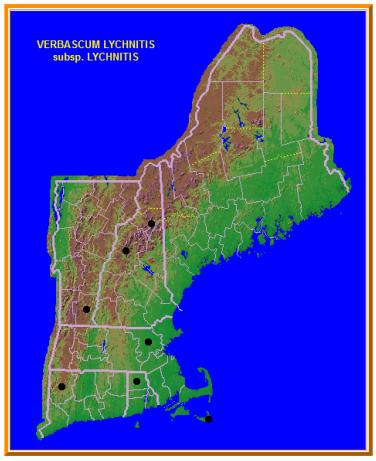
VERATRUM (Family: Melanthiaceae)

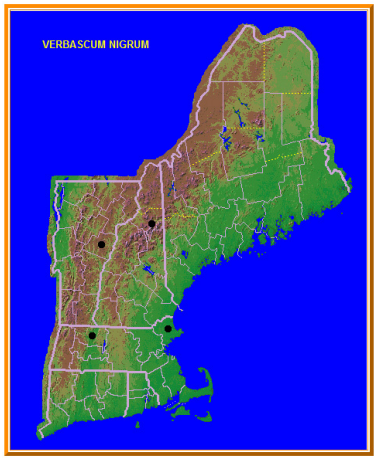
Veratrum viride Aiton - **White Hellebore**. 2n = 32.
Swampy woods, wet meadows.

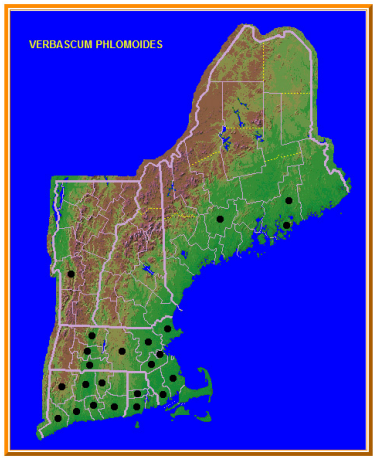
VERBASCUM (Family: Scrophulariaceae)

VERBASCUM BLATTARIA Linnaeus - **Moth Mullein**. 2n = 30, (32).
Waste places, roadsides, fields, open woods. From Eurasia, northwestern Africa.

VERBASCUM DENSIFLORUM Bertoloni - . 2n = (30), 32, 36.
Railroads, roadsides, waste places. From Europe, the Caucasus.



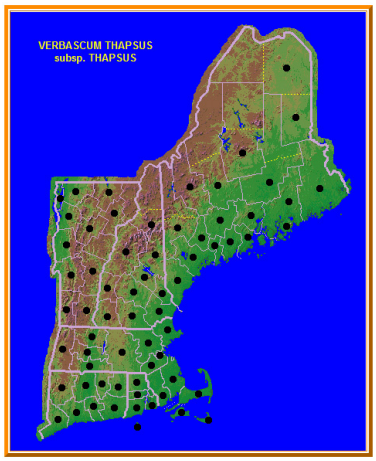


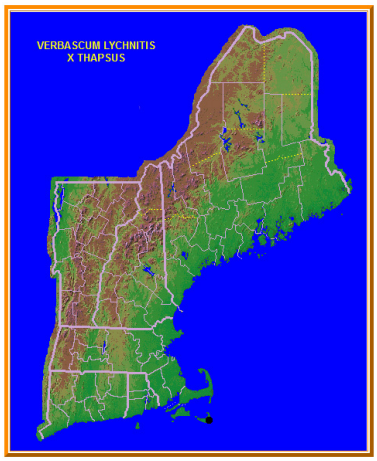


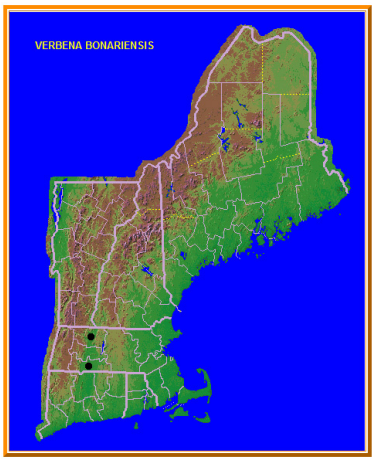
VERBASCUM LYCHNITIS Linnaeus subsp. ***LYCHNITIS*** - **White Mullein**. 2n = 26, 32, 34.
Roadsides, fields, waste places, wool waste. From Eurasia.

VERBASCUM NIGRUM Linnaeus - **Black Mullein**. 2n = 30, (34).
Roadsides, waste places. From Eurasia.

VERBASCUM PHLOMOIDES Linnaeus - **Orange Mullein**. 2n = 32, 34.
Roadsides, railroads, fields, waste places. From Eurasia.







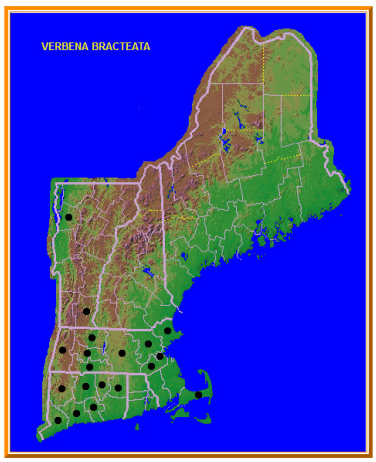
VERBASCUM THAPSUS Linnaeus subsp. ***THAPSUS*** - **Common Mullein**. 2n = (30), (32), (34), 36.
Roadsides, fields, rocky banks, waste places. From Eurasia.

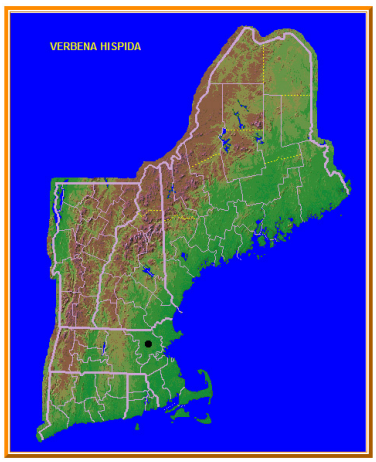
***Verbascum* hybrid**

VERBASCUM LYCHNITIS Linnaeus X ***V. THAPSUS*** Linnaeus - .

VERBENA (Family: Verbenaceae)

VERBENA BONARIENSIS Linnaeus - . 2n = (12), (14), 28.
Gravel pit. From South America. [*V. BONARIENSIS* var. *CONGLOMERATA* Briquet]

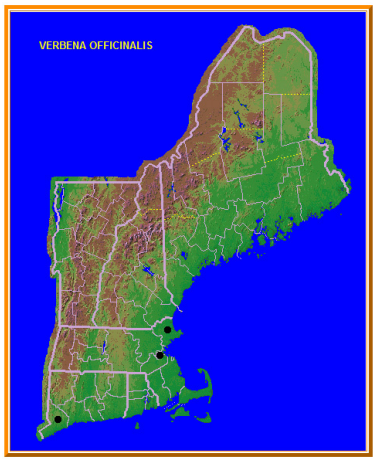


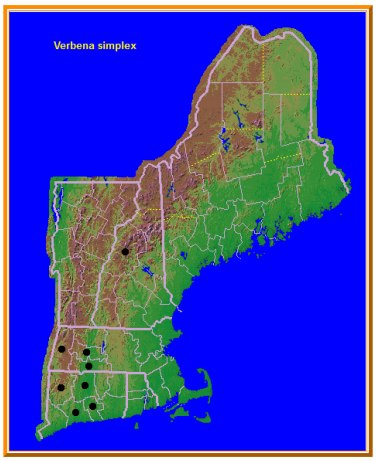


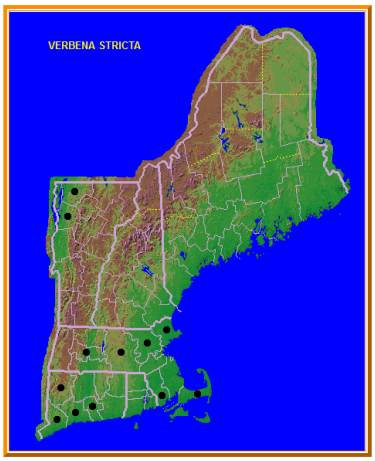
VERBENA BRACTEATA Lagasca & Rodríguez - . 2n = 14, (28).
Waste places, fields, roadsides, in open, sandy soils. From farther west.

Verbena hastata Linnaeus - **Simpler's-joy**. 2n = 14.
Wet thickets, shores, marshes, meadows, fields, roadsides.

VERBENA HISPIDA Ruiz & Pavón - . 2n = ?
Waste places. From South America.



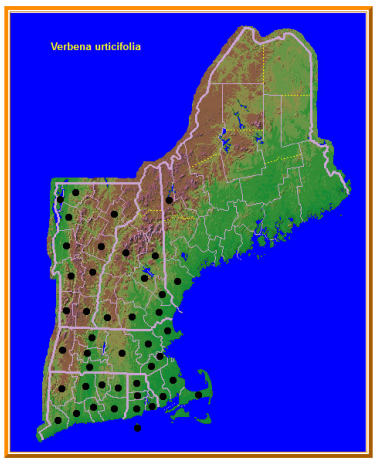


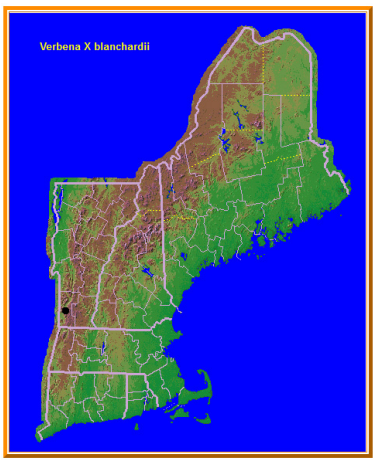


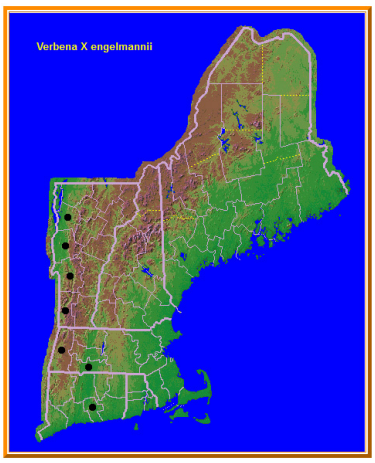
VERBENA OFFICINALIS Linnaeus - **European Vervain**. 2n = 14, 28, (42), (70).
Waste places. From Eurasia.

Verbena simplex Lehmann - . 2n = 14.
Dry fields, roadsides, railroads, rocky places, sandplains.

VERBENA STRICTA Ventenat - **Hoary Vervain**. 2n = 14.
Dry fields, roadsides, waste places. From farther west.





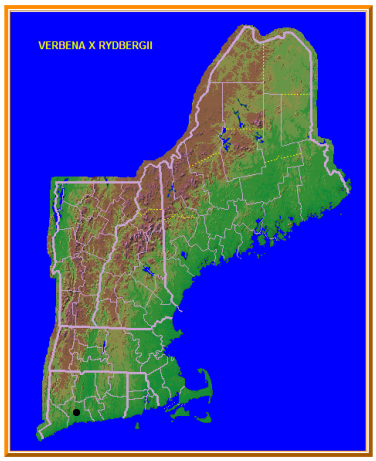


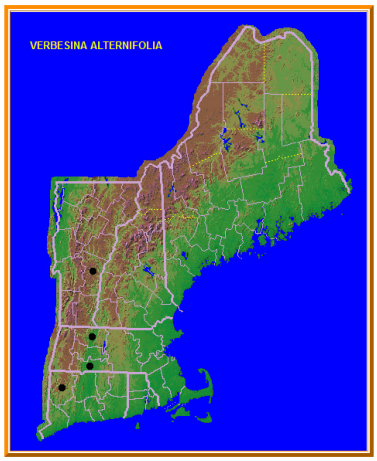
Verbena urticifolia Linnaeus - **White Vervain**. 2n = 14, 16.
Rich thickets and woodland margins, alluvial soil, streambanks, meadows, fields, roadsides, waste places. [*V. urticifolia* var. *leiocarpa* L.M. Perry & Fernald]

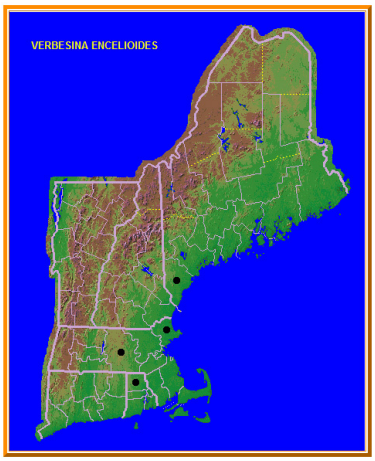
Verbena hybrids

Verbena X ***blanchardii*** Moldenke - .
[*V. hastata* Linnaeus X *V. simplex* Lehmann]

Verbena X ***engelmannii*** Moldenke - .
[*V. hastata* Linnaeus X *V. urticifolia* Linnaeus]





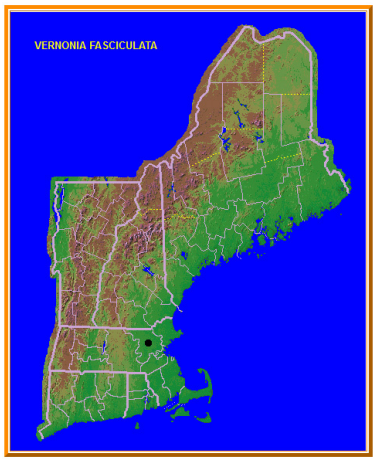


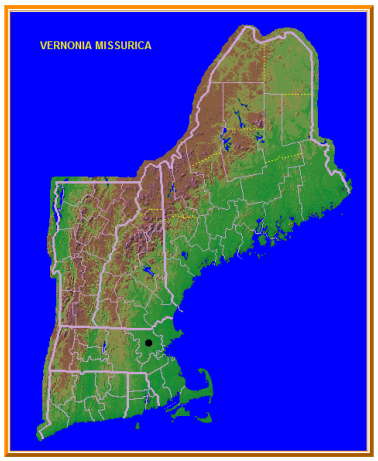
VERBENA X ***RYDBERGII*** Moldenke - .
[*V. hastata* Linnaeus X *V. STRICTA* Ventenat]

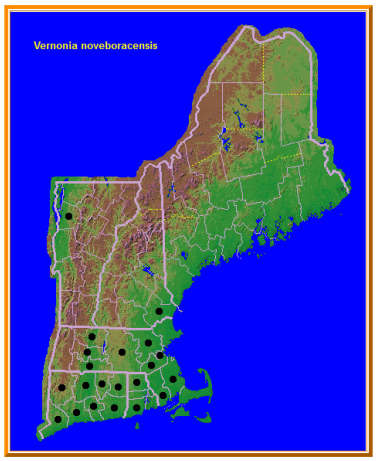
VERBESINA (Family: Asteraceae)

VERBESINA ALTERNIFOLIA (Linnaeus) Britton *ex* Kearney - **Wingstem**. 2n = (ca. 60), (ca. 62), 68.
Woods borders, thickets, along streams, in rich soil. From farther south and west. [*Actinomeris alternifolia* (Linnaeus) de Candolle]

VERBESINA ENCELIOIDES (Cavanilles) Bentham & Hooker (son) *ex* A. Gray - **Golden Crownbeard**. 2n = 34.
Wool waste. From farther west. [*V. ENCELIOIDES* var. *EXAURICULATA* B.L. Robinson & Greenman]





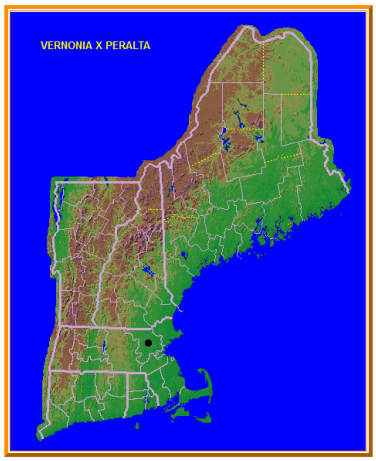


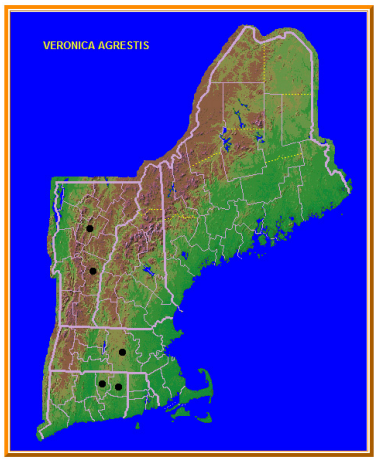
VERNONIA (Family: Asteraceae)

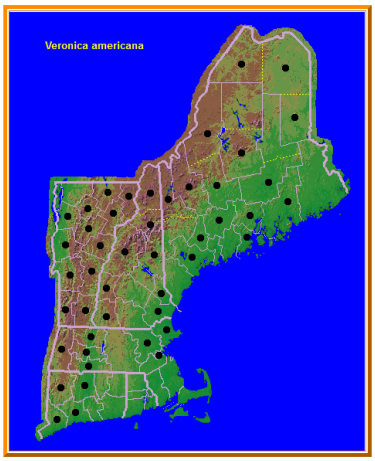
VERNONIA FASCICULATA Michaux - **Western Ironweed**. 2n = 34.
Sandy fields, wool waste. From farther west.

VERNONIA MISSURICA Rafinesque - . 2n = 34.
Sandy fields, wool waste. From farther south and west.

Vernonia noveboracensis (Linnaeus) Michaux - . 2n = 18, 34.
Meadows, marshes, along streams, roadside ditches, swamps, wet pastures.







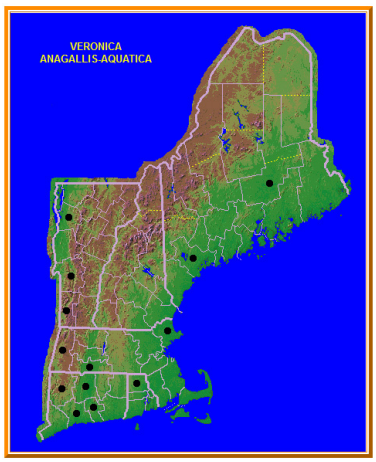
***Vernonia* hybrid**

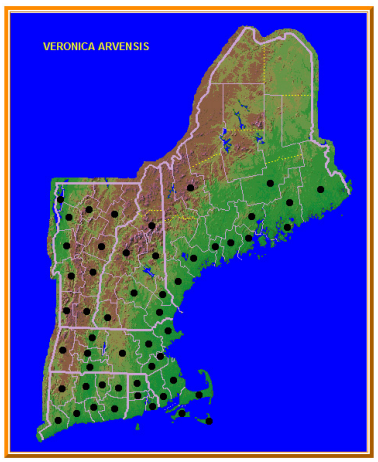
VERNONIA X ***PERALTA*** Daniels - .

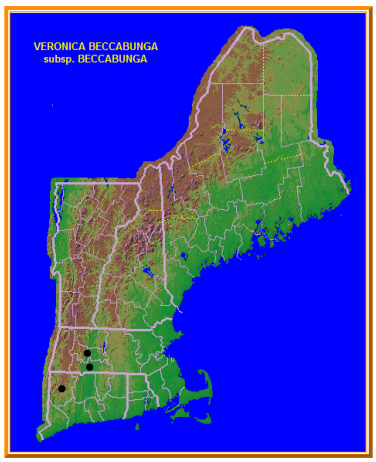
VERONICA (Family: Plantaginaceae)

VERONICA AGRESTIS Linnaeus - **Field Speedwell**. 2n = (14), 28.
Fields, roadsides, waste places. From Europe, northern Africa.

Veronica americana Schweinitz *ex* Bentham - **American Brooklime**. 2n = 36.
Springheads, brooksides, streambanks, swamps, pool margins.



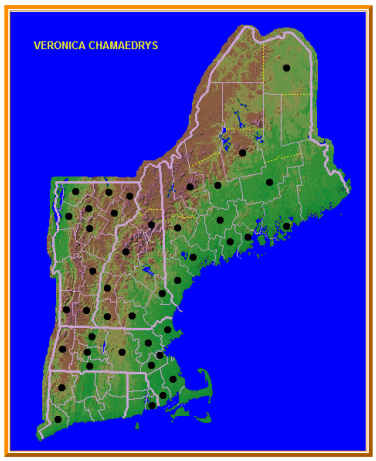


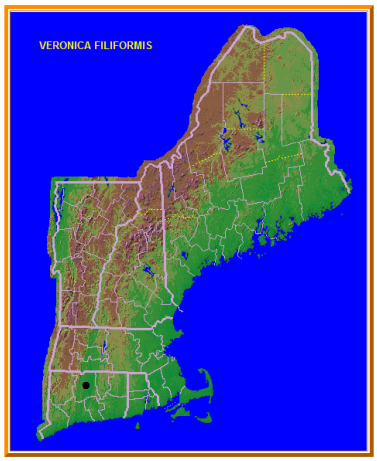


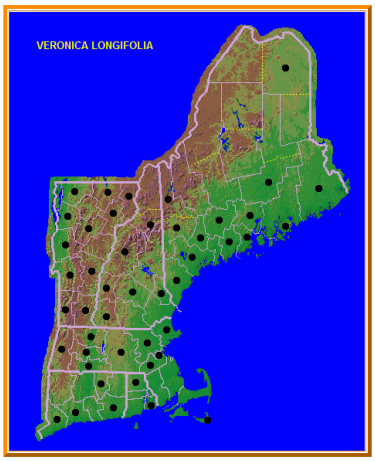
VERONICA ANAGALLIS-AQUATICA Linnaeus - **Water Speedwell**. 2n = (18), 36.
Wet ditches, springs, brooksides, shores, swamps. From Eurasia, Africa, southern and western South America. [*V. CATENATA* misapplied; *V. COMOSA* misapplied] Note: Some recent treatments treat *V. CATENATA* Pennell as a separate species occurring in New England.

VERONICA ARVENSIS Linnaeus - **Corn Speedwell**. 2n = 16.
Open, waste places, ledges, fields, open woods, roadsides. From Eurasia, northern Africa.

VERONICA BECCABUNGA Linnaeus subsp. ***BECCABUNGA*** - **European Brooklime**. 2n = 18, (36).
Wet ditches, freshwater shores, moist woods. From Eurasia, northern Africa.



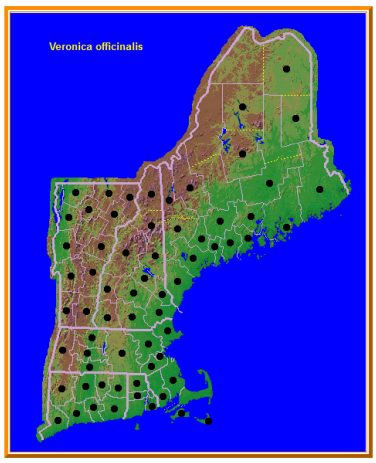


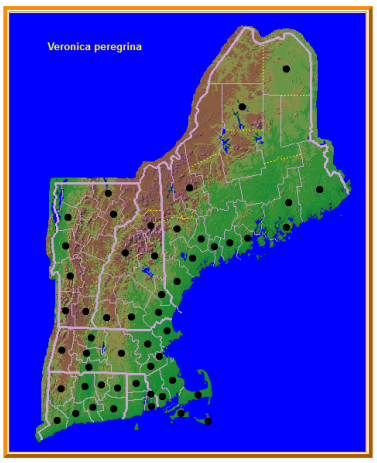


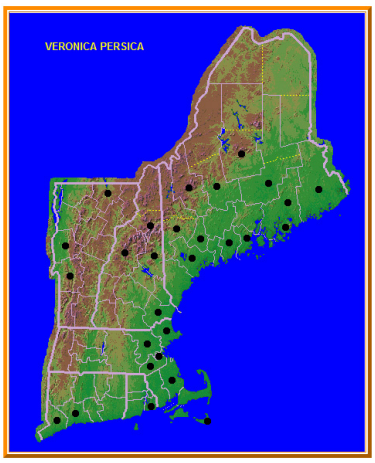
VERONICA CHAMAEDRYS Linnaeus - **Germander Speedwell**. 2n = (16), 32.
Fields, thickets, woodland margins, roadsides, waste places. From Eurasia.

VERONICA FILIFORMIS Smith - **Creeping Speedwell**. 2n = 14.
Waste places. From the Caucasus.

VERONICA LONGIFOLIA Linnaeus - **Garden Speedwell**. 2n = 34, (36), (64), 68, (70).
Roadsides, thickets, fields, waste places. From Eurasia.



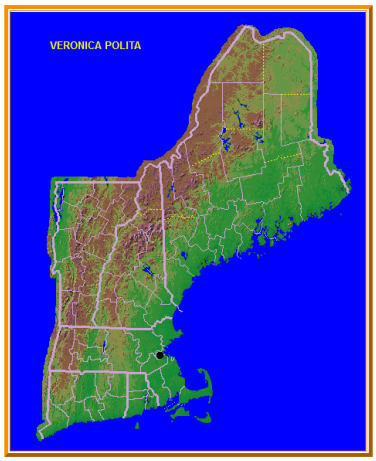


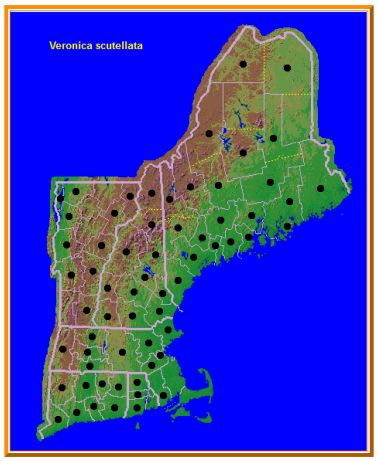


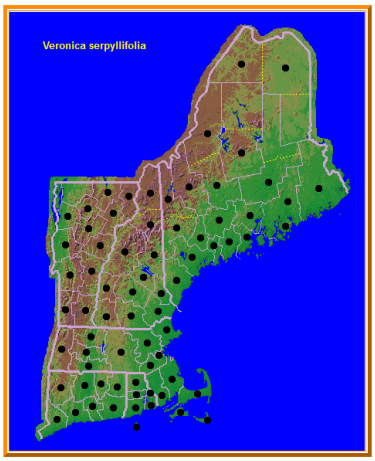
Veronica officinalis Linnaeus - **Common Speedwell**. 2n = (18), (32), (34), 36.
Open woods, clearings, fields, hills, usually in dry soil.

Veronica peregrina Linnaeus - **Purslane Speedwell**. 2n = (28), 52, (54).
Waste places, roadsides, fields, meadows, in the open, usually in moist soil. [*V. peregrina* var. *xalapensis* (Kunth) Pennell]

VERONICA PERSICA Poiret - **Bird's-eye Speedwell**. 2n = 28.
Waste places, roadsides. Probably from southwestern Asia. [*V. TOURNEFORTII* misapplied]



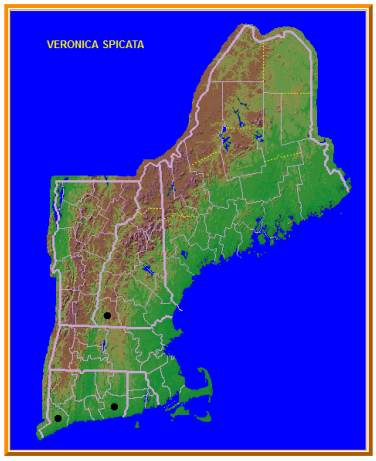


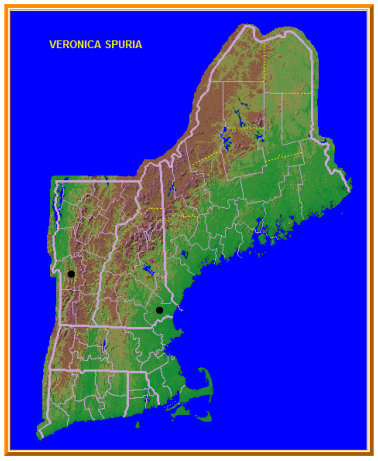


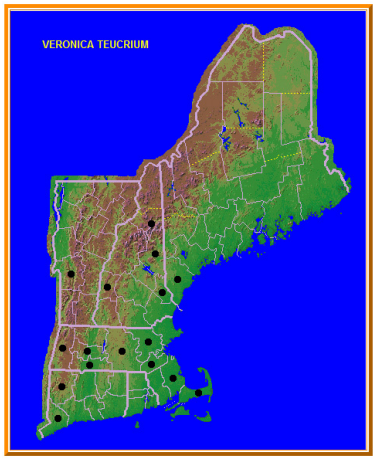
VERONICA POLITA Fries - . 2n = 14, (18), (28).
Waste places. From Eurasia, northern Africa.

Veronica scutellata Linnaeus - **Marsh Speedwell**. 2n = 18.
Swamps, meadows, shores, other wet places.

Veronica serpyllifolia Linnaeus - **Thyme-leaved Speedwell**. 2n = 14, (28).
Fields, meadows, roadsides, damp, open woods, clearings, springy places, brooksides, shores, swamps. Native in northern New England, naturalized elsewhere in New England (from Eurasia, northwestern Africa). [*V. serpyllifolia* var. *humifusa* (Dickson) Vahl; V. *tenella* Allioni]



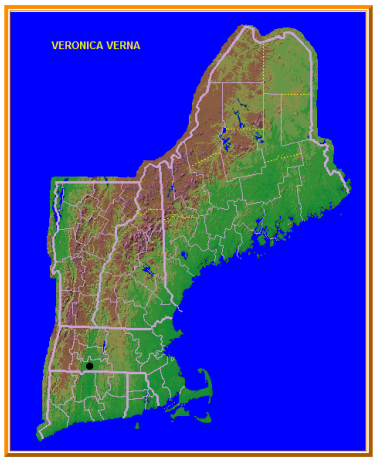


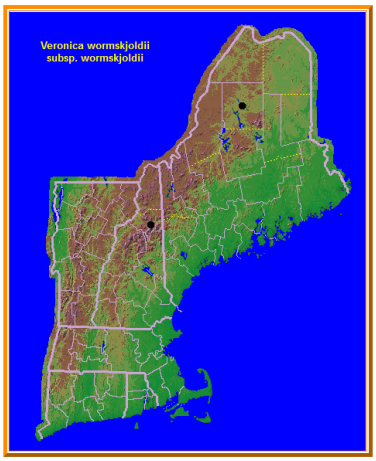


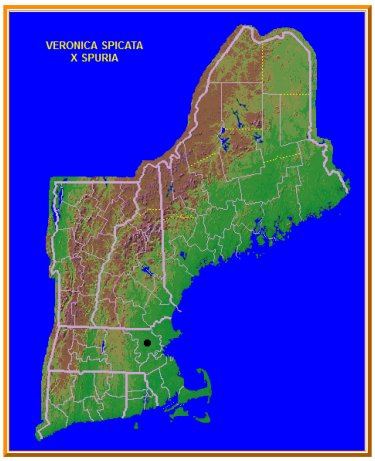
VERONICA SPICATA Linnaeus - . 2n = (18), (34), (36), (56), 68.
Roadsides, fields, open trailsides. From Eurasia.

VERONICA SPURIA Linnaeus - **Bastard Speedwell**. 2n = 34, (68).
Waste places, meadows. From central Asia. [*PSEUDOLYSIMACHION SPURIUM* (Linnaeus) Rauschert]

VERONICA TEUCRIUM Linnaeus - . 2n = (16), (48), 64, (128).
Roadsides, fields. From Eurasia. [*V. AUSTRIACA* Linnaeus subsp. *TEUCRIUM* (Linnaeus) D.A. Webb; *V. LATIFOLIA* Linnaeus - rejected name]





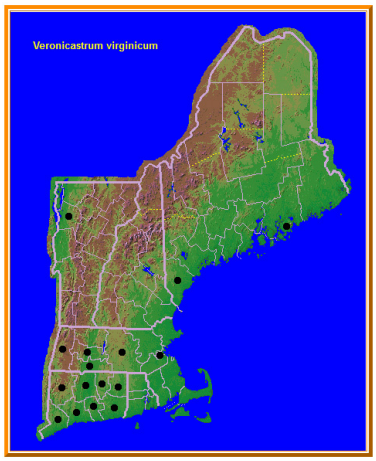


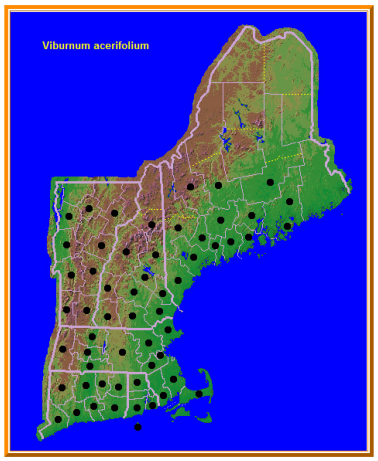
VERONICA VERNA Linnaeus - **Spring Speedwell**. 2n = (14), 16.
Railroad ballast. From Eurasia, northwestern Africa.

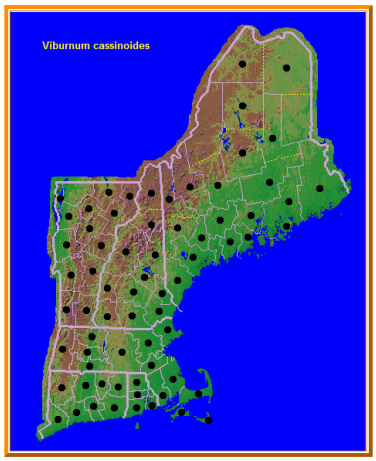
Veronica wormskjoldii Roemer & Schultes subsp. ***wormskjoldii*** - **American Alpine Speedwell**. 2n = 36.
Alpine rills, ravines, moss and rocks. [*V. alpina* Linnaeus var. *unalaschcensis* Chamisso & Schlechtendal]

***Veronica* hybrid**

VERONICA SPICATA Linnaeus X ***V. SPURIA*** Linnaeus - .







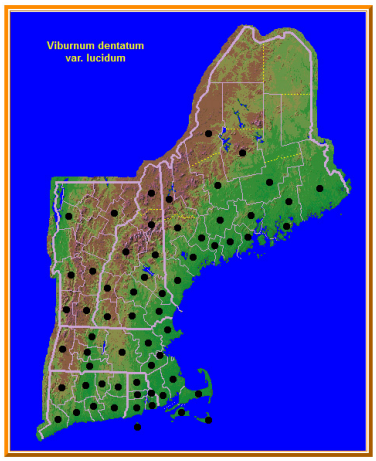
VERONICASTRUM (Family: Plantaginaceae)

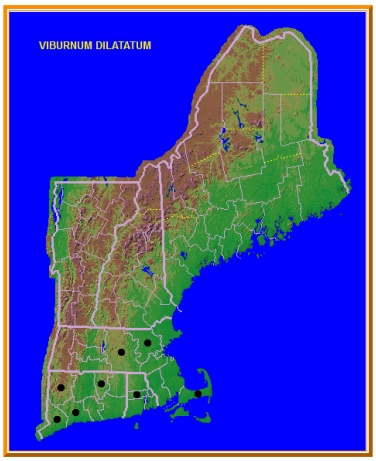
Veronicastrum virginicum (Linnaeus) Farwell - **Culver's-root**. 2n = 34, (68).
Rich woods, meadows, thickets, fields, roadsides.

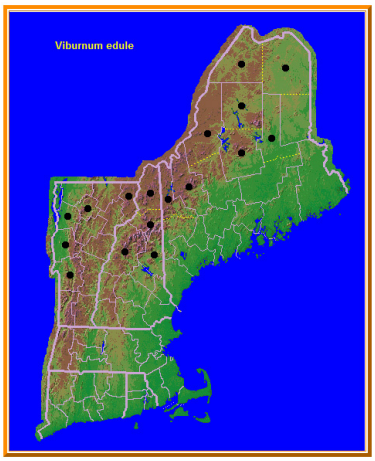
VIBURNUM (Family: Adoxaceae)

Viburnum acerifolium Linnaeus - **Maple-leaved Viburnum**. 2n = 18.
Open woods.

Viburnum cassinoides Linnaeus - **Witherod**. 2n = 18.
Thickets, clearings, swamps, woodland margins, usually in moist soil. [*V. nudum* Linnaeus var. *cassinoides* (Linnaeus) Torrey & A. Gray]



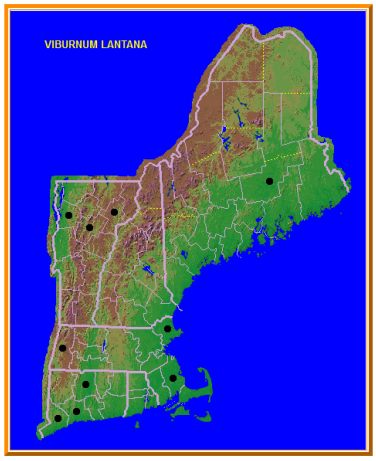


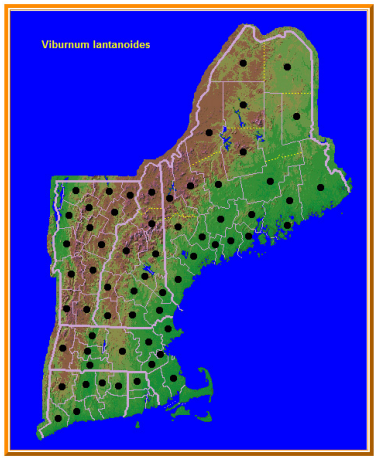


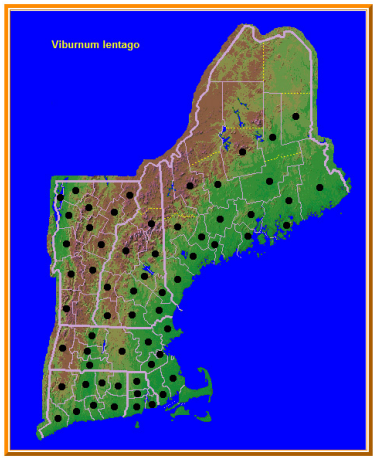
Viburnum dentatum Linnaeus var. ***lucidum*** Aiton - **Smooth Arrow-wood**. 2n = 36.
Damp thickets, swamps, moist woods. [*V. recognitum* Fernald]

VIBURNUM DILATATUM Thunberg - **Linden Viburnum**. 2n = 18.
Woods. From eastern Asia.

Viburnum edule (Michaux) Rafinesque - **Squashberry**. 2n = 18.
Woods, thickets, clearings by shores.



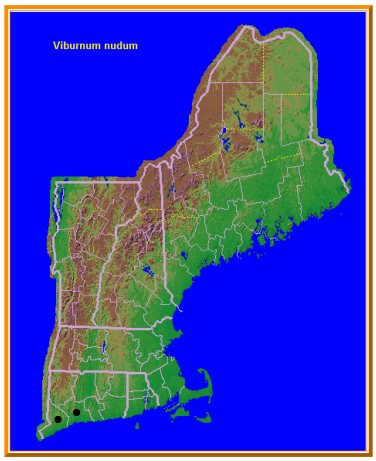


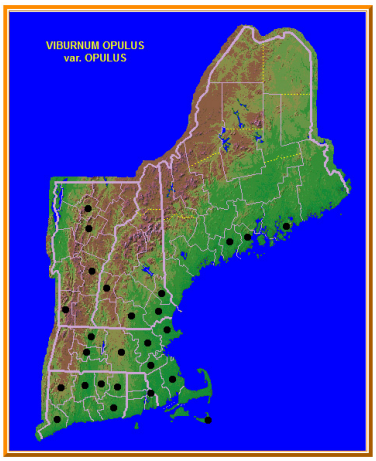


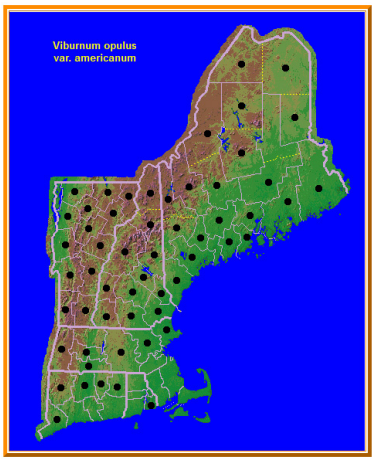
VIBURNUM LANTANA Linnaeus - **Wayfaring-tree**. 2n = 18.
Waste places, roadsides. From Eurasia, northern Africa.

Viburnum lantanoides Michaux - **Hobblebush**. 2n = 18.
Rich, moist woods, cool ravines, stream margins. [*V. alnifolium* misapplied]

Viburnum lentago Linnaeus - **Nannyberry**. 2n = 18.
Moist thickets, woodland margins, streambanks, roadsides.



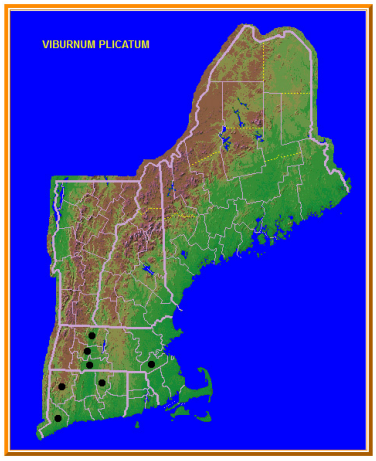


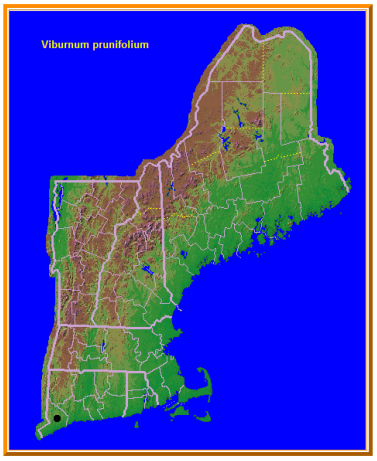


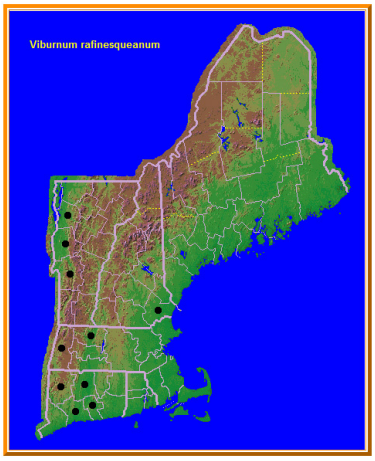
Viburnum nudum Linnaeus - **Possum-haw**. 2n = 18.
Swamps.

VIBURNUM OPULUS Linnaeus var. ***OPULUS*** - **Guelder-rose**. 2n = 18.
Roadsides, shores, thickets, field margins. From Eurasia.

Viburnum opulus Linnaeus var. ***americanum*** Aiton - **Highbush Cranberry**. 2n = 18.
Wet thickets, shores, swamps, cool, moist woods, railroads. [*V. trilobum* Marshall]



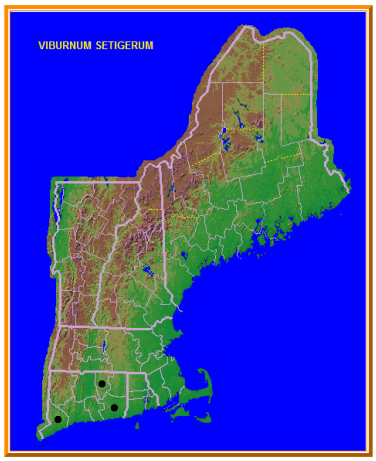


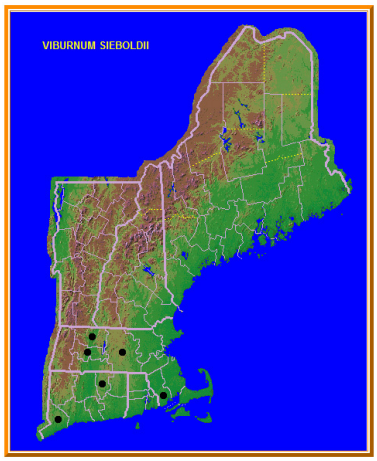


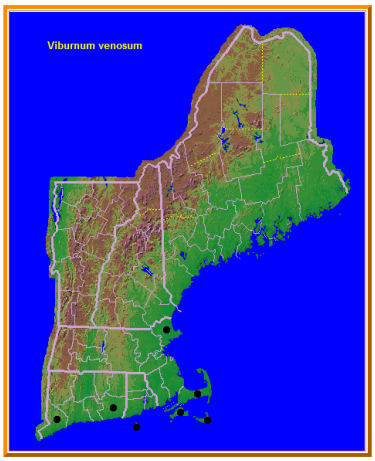
VIBURNUM PLICATUM Thunberg - **Japanese Snowball**. 2n = 18, 72.
Roadsides, rich or moist woods. From eastern Asia.

Viburnum prunifolium Linnaeus - **Black Haw**. 2n = 18.
Rich woods, dry limestone ledges, dry copse margins, dry, open rocky ground.

Viburnum rafinesqueanum Schultes - **Downy Arrow-wood**. 2n = 36.
Waste places. Thickets, dry, rocky or open woods, dry ledges, often calcareous. [*V. pubescens* misapplied]



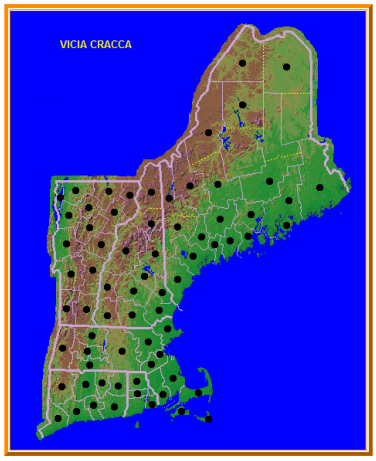


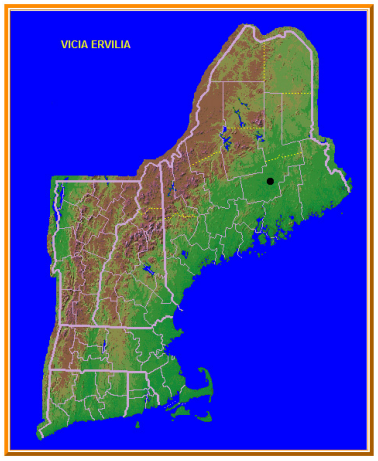


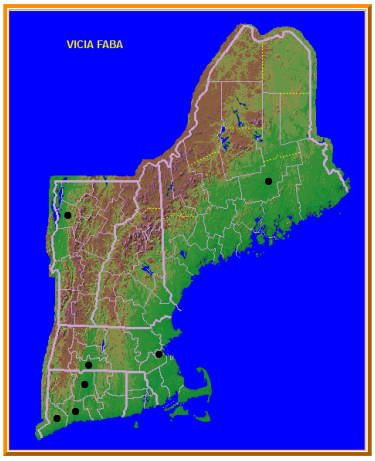
VIBURNUM SETIGERUM Hance - **Tea Viburnum**. 2n = 18.
Fields, woodland margins, hillsides. From eastern Asia.

VIBURNUM SIEBOLDII Miquel - . 2n = 16.
Woodland margins, disturbed woodlands, moist deciduous woods, field margins, waste places, cemeteries. From Japan.

Viburnum venosum Britton - . 2n = ?
Sandy soil, brackish marshes. [*V. dentatum* var. *pubescens* Aiton; *V. dentatum* Linnaeus var. *venosum* (Britton) Gleason]





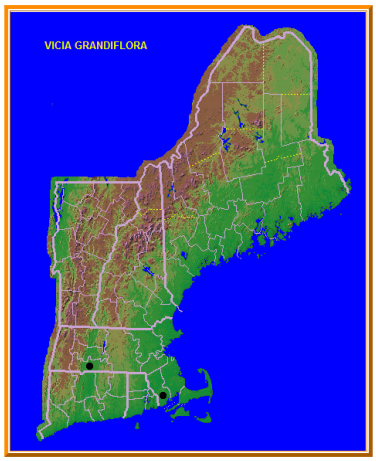


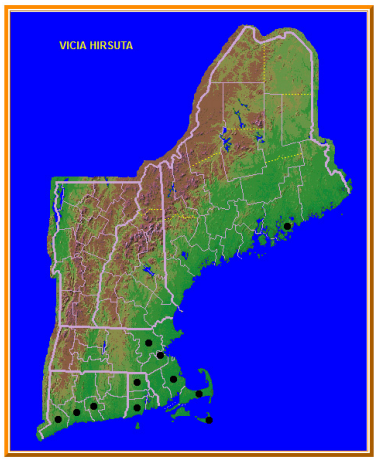
VICIA (Family: Fabaceae)

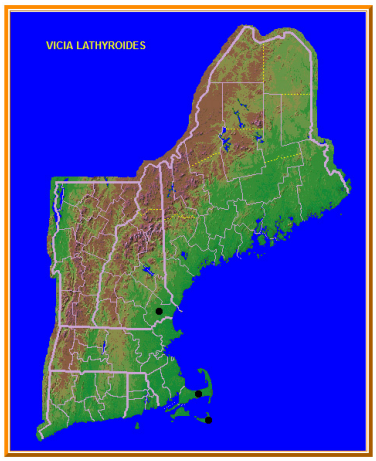
VICIA CRACCA Linnaeus - **Cow Vetch**. 2n = (12), 14, (21), 28.
Fields, meadows, roadsides, waste areas, thickets, shores. From Eurasia.

VICIA ERVILIA (Linnaeus) Willdenow - **Bitter Vetch**. 2n = 14.
Ballast waste. From Eurasia, northern Africa.

VICIA FABA Linnaeus - **Broad Bean**. 2n = 12, (14), (24).
Fields, waste places. Origin unknown (long in cultivation).



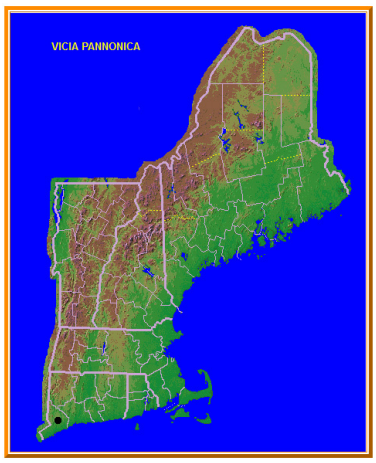


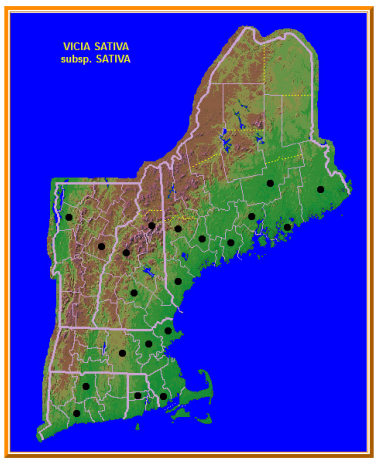


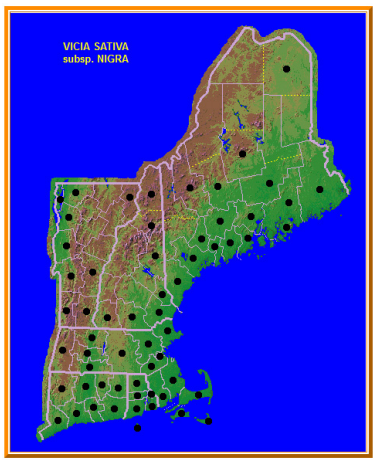
VICIA GRANDIFLORA Scopoli - . 2n = 14.
Fields. From Eurasia.

VICIA HIRSUTA (Linnaeus) Gray - **Tiny Vetch**. 2n = (12), 14.
Waste places, roadsides, fields. From Eurasia, Africa.

VICIA LATHYROIDES Linnaeus - **Spring Vetch**. 2n = (10), 12.
Roadsides, fields, usually sandy. From Eurasia, northern Africa.



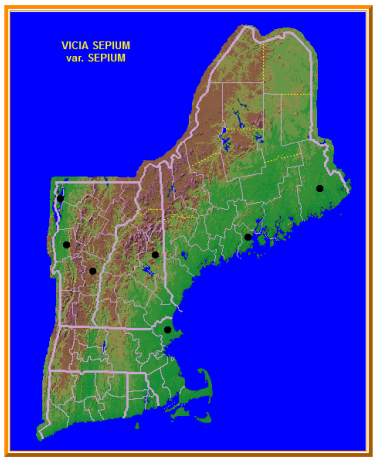


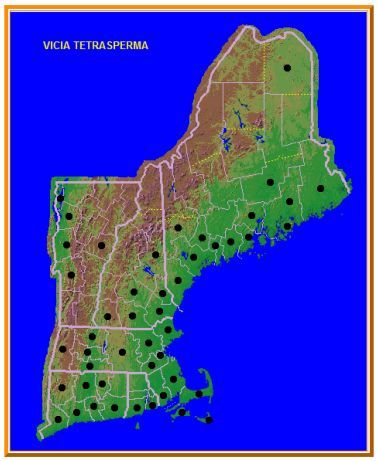


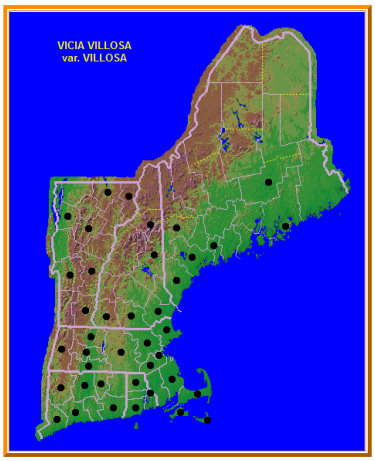
VICIA PANNONICA Crantz - **Hungarian Vetch**. 2n = 12, (14).
Roadsides. From Eurasia.

VICIA SATIVA Linnaeus subsp. ***SATIVA*** - **Common Vetch**. 2n = 10, 12, (14).
Fields, roadsides, waste places. Origin unknown.

VICIA SATIVA Linnaeus subsp. ***NIGRA*** (Linnaeus) Ehrhart - **Smaller Common Vetch**. 2n = 12, (14).
Waste places, railroads, roadsides, fields, meadows, sea beaches, shores. From Europe, Asia, Africa. [*V. ANGUSTIFOLIA* Linnaeus var. *ANGUSTIFOLIA*; *V. ANGUSTIFOLIA* var. *SEGETALIS* (Thuillier) W.D.J. Koch; *V. ANGUSTIFOLIA* var. *UNCINATA* (Desvaux *ex* Boreau) Rouy]



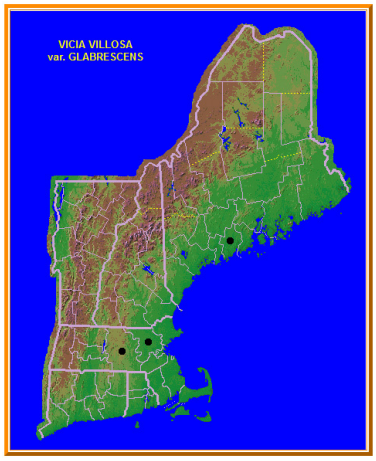


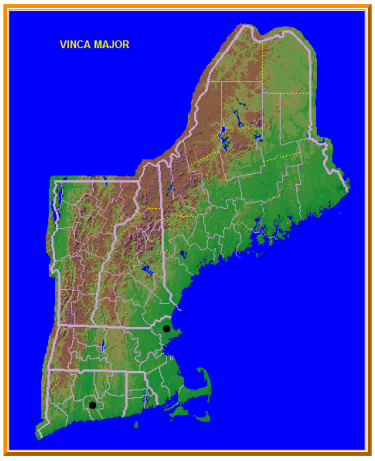


VICIA SEPIUM Linnaeus var. ***SEPIUM*** - **Bush Vetch**. 2n = (12), 14.
Roadsides, railroads, fields. From Europe, Asia.

VICIA TETRASPERMA (Linnaeus) Schreber - **Sparrow Vetch**. 2n = 14.
Fields, railroads, roadsides, waste places. From Europe, Asia, northern Africa. [*V. TETRASPERMA* var. *TENUISSIMA* Druce]

VICIA VILLOSA Roth var. ***VILLOSA*** - **Winter Vetch**. 2n = 14, (28).
Fields, roadsides, waste places. From Eurasia, northern Africa.



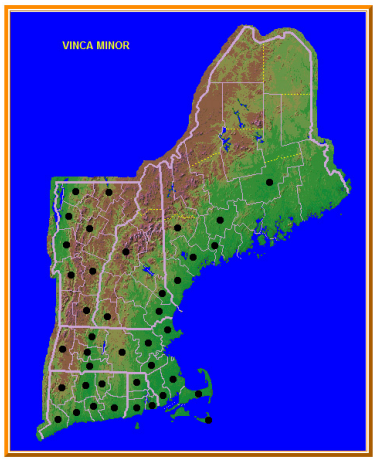


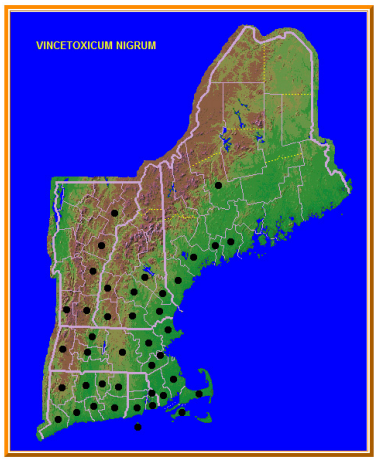
VICIA VILLOSA Roth var. ***GLABRESCENS*** W.D.J. Koch - . 2n = 14, (28).
Fields, roadsides, waste places. From Eurasia, northern Africa. [*V. VILLOSA* subsp. *VARIA* (Host) Corbière; *V. DASCYCARPA* Tenore]

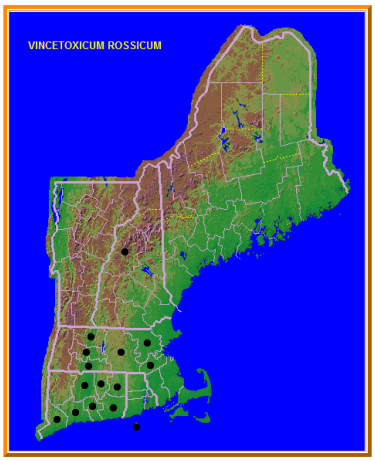
VINCA (Family: Apocynaceae)

VINCA HERBACEA Waldstein & Kitaibel - . 2n = 46, (92).
Terraces and wooded slope of riverbank. From Eurasia.

VINCA MAJOR Linnaeus - **Large Periwinkle**. 2n = (90), 92.
Waste places. From Eurasia. [*V. MAJOR* var. *VARIEGATA* Loudon]





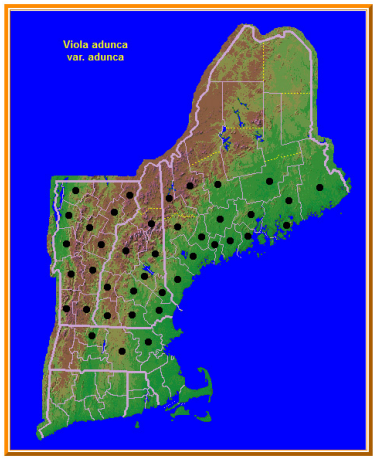


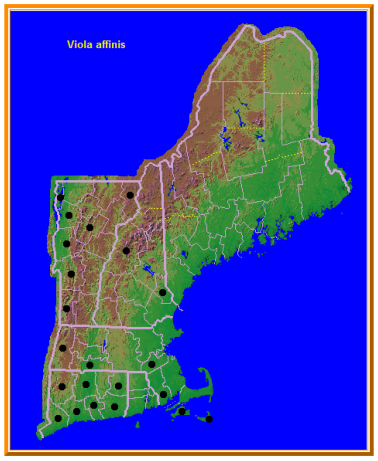
VINCA MINOR Linnaeus - **Common Periwinkle**. 2n = 46.
Roadsides, cemeteries, waste places, open woods near habitation. From Eurasia.

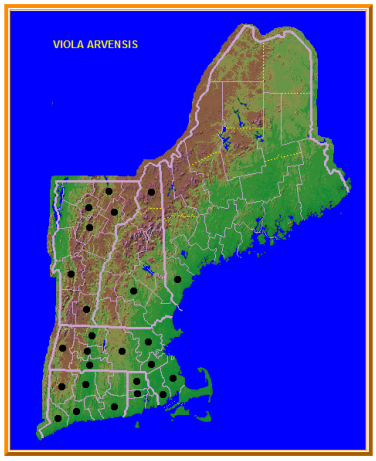
VINCETOXICUM (Family: Apocynaceae)

VINCETOXICUM NIGRUM (Linnaeus) Moench - **Black Swallow-wort**. 2n = 22, 44.
Roadsides, waste places, thickets, cemeteries, field margins. From southern Europe. [*CYNANCHUM LOUISEAE* Kartesz & Gandhi; *C. NIGRUM* (Linnaeus) Persoon, *non* Cavanilles]

VINCETOXICUM ROSSICUM (Kleopow) Barbaricz - **Pale Swallow-wort**. 2n = ?
Roadsides, waste places, cemeteries, field margins. From eastern Europe. [*Cynanchum nigrum* Kleopow]





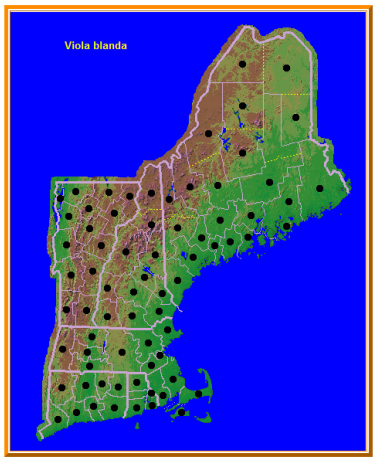


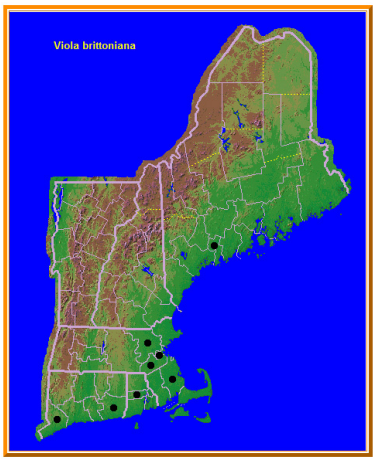
VIOLA (Family: Violaceae)

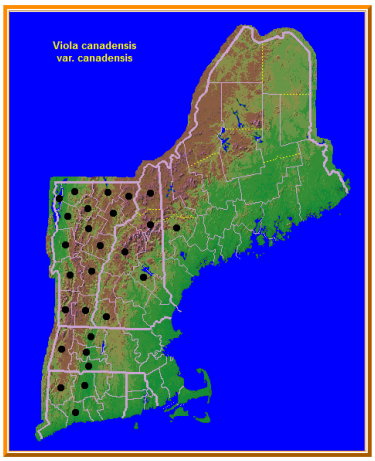
Viola adunca Smith var. ***adunca*** - . 2n = (10), 20, (30), 40.
Dry, open woods, fields, rocky slopes, roadsides, railroads, often in dry, sandy soil.

Viola affinis Leconte - . 2n = 54.
Rich, moist woods, moist fields, meadows, damp thickets, streambanks, shores. [*V. venustula* Greene]

VIOLA ARVENSIS Murray - **European Field Pansy**. 2n = (26), 34, (42).
Fields, waste places, roadsides. From Eurasia, northern Africa.



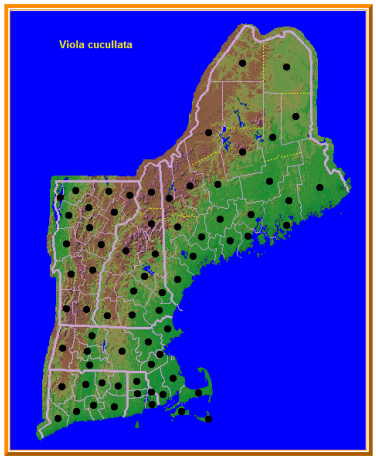


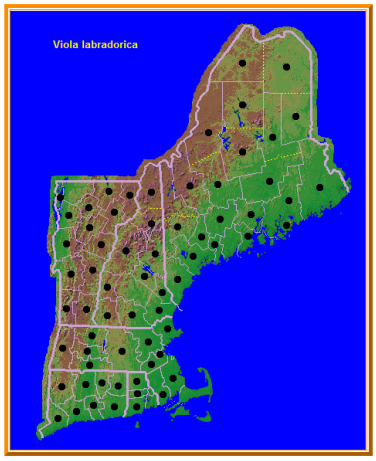


Viola blanda Willdenow - **Sweet White Violet**. 2n = 44.
Rich, moist woods, swamps. [*V. blanda* var. *palustriformis* A. Gray; *V. incognita* Brainerd var. *incognita*; *V. incognita* var. *forbesii* Brainerd]

Viola brittoniana Pollard - **Coastal Violet**. 2n = 54.
Sandy soil, often near streams, meadows or coastal marshes. [*V. brittoniana* var. *pectinata* (E.P. Bicknell) Alexander; *V.* X *lesmehrhoffii* A. Haines; *V. pectinata* E.P. Bicknell; *V. pedatifida* G. Don var. *brittoniana* (Pollard) R.J. Little & L.E. McKinney]

Viola canadensis Linnaeus var. ***canadensis*** - **Tall White Violet**. 2n = 24.
Rich, moist, deciduous woods, often calcareous or rocky.

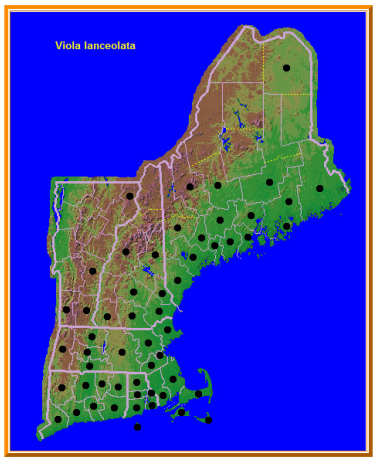


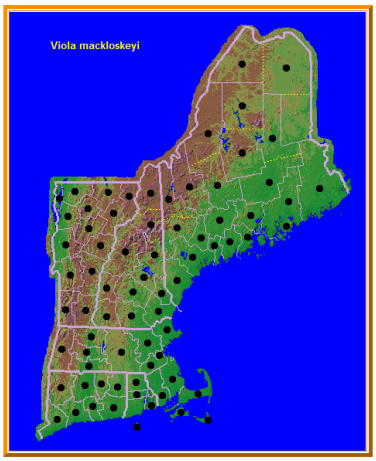


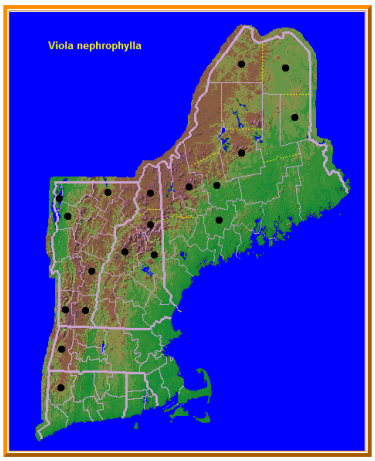
Viola cucullata Aiton - **Marsh Blue Violet**. 2n = 54.
Swamps, wet meadows, rich woods, streamsides.

Viola hirsutula Brainerd - . 2n = ?
Dry, sterile fields.

Viola labradorica Schrank - **American Dog Violet**. 2n = 20, 40.
Rich woods, woodland clearings, meadows, swamps, bogs, alluvial thickets, streambanks, ledges, talus. [*V. adunca* Leconte var. *minor* (Hooker) Fernald; *V. conspersa* Reichenbach]



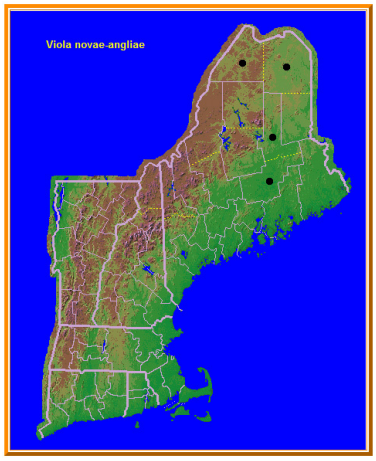


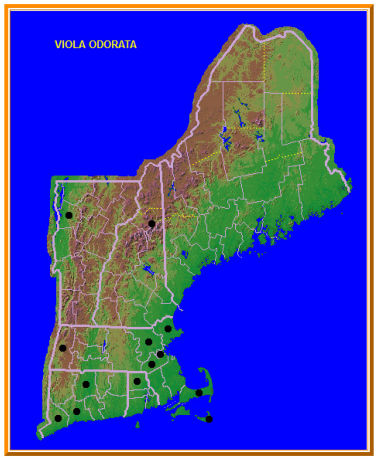


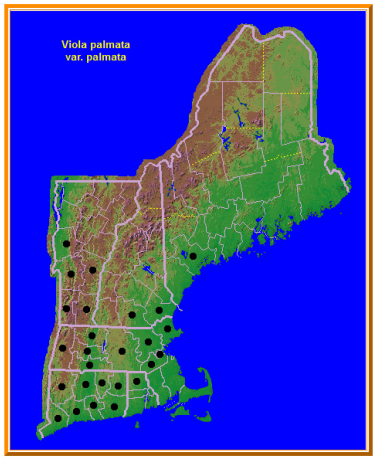
Viola lanceolata Linnaeus - **Lance-leaved Violet**. 2n = 24.
Shores, swamps, meadows, in damp or wet, sandy or sphagnous, open or slightly shaded soil.

Viola mackloskeyi F.E. Lloyd - **Northern White Violet**. 2n = 24.
Swamps, wet or springy woods, meadows, shores, alpine areas, often among mosses. [*V. pallens* (Banks *ex* Gingins) Brainerd]

Viola nephrophylla Greene - **Northern Bog Violet**. 2n = 54.
Rocky or gravelly river shores, often calcareous, bogs, meadows, rich, moist woods.



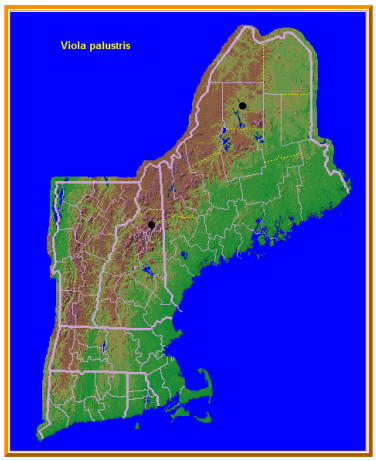


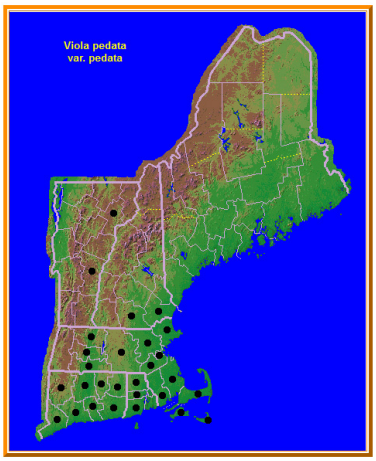


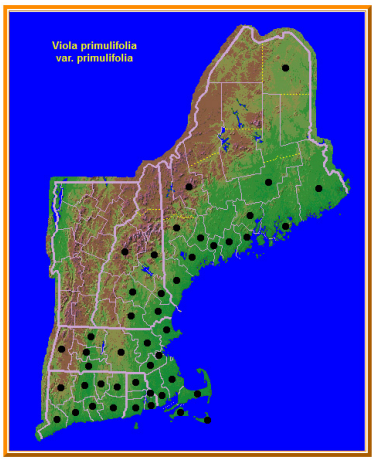
Viola novae-angliae House - . 2n = ?
Rocky, gravelly or sandy river shores. [*V. sororia* Willdenow var. *grisea* (Fernald) L.E. McKinney]

VIOLA ODORATA Linnaeus - **English Violet**. 2n = (18), 20, (60).
Fields, waste places, roadsides. From Eurasia, northern Africa.

Viola palmata Linnaeus var. ***palmata*** - **Tall Wood Violet**. 2n = 54.
Wooded hillsides, rich, deciduous woods, calcareous ledges. [*V. palmata* var. *triloba* (Schweinitz) Gingins *ex* de Candolle; *V. triloba* Schweinitz var. *triloba*; *V. triloba* var. *dilatata* (Elliott) Brainerd]



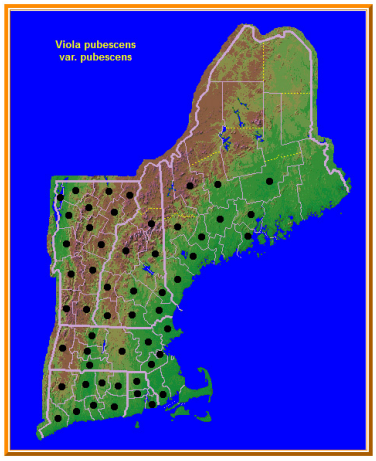


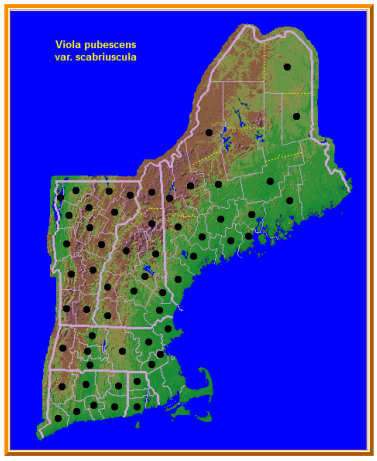


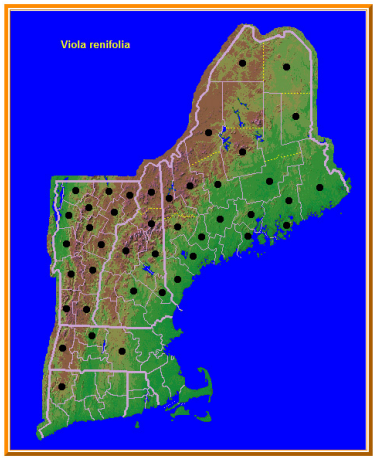
Viola palustris Linnaeus - **Alpine Marsh Violet**. 2n = 48.
Alpine and subalpine brooksides and rocky slopes.

Viola pedata Linnaeus var. ***pedata*** - **Tall Bird-foot Violet**. 2n = 54, 56.
Dry, open, sandy soil. [*V. pedata* var. *linearilobа* de Candolle]

Viola primulifolia Linnaeus var. ***primulifolia*** - . 2n = 24.
Meadows, swamps, shores, thin, moist woods. [*V. primulifolia* var. *acuta* (Bigelow) Torrey & A. Gray]



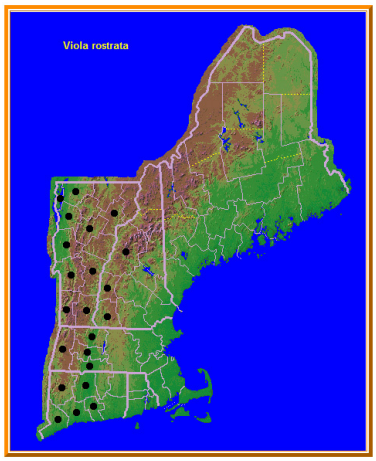


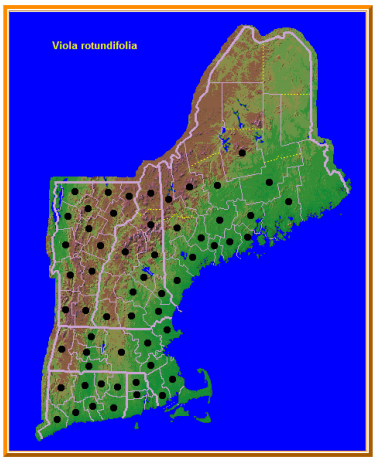


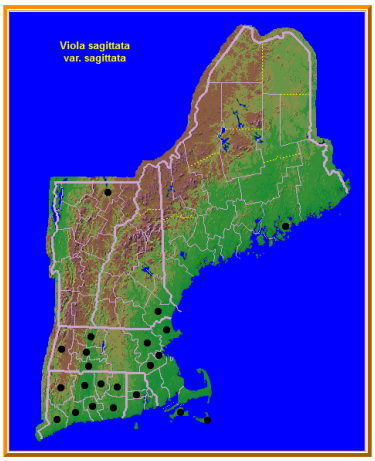
Viola pubescens Aiton var. ***pubescens*** - **Downy Yellow Violet**. 2n = 12.
Rich, often dry, usually deciduous woods. [*V. pubescens* var. *eriocarpa* Nuttall; *V. pubescens* var. *peckii* House]

Viola pubescens Aiton var. ***scabriuscula*** Torrey & A. Gray - **Smooth Yellow Violet**. 2n = 12.
Rich, often moist woods. [*V. pubescens* var. *leiocarpa* (Fernald & Wiegand) B. Boivin; *V. pensylvanica* Michaux var. *pensylvanica*; *V. pensylvanica* var. *leiocarpa* (Fernald & Wiegand) Fernald]

Viola renifolia A. Gray - . 2n = 24.
Rich, cool, often moist, woods, swamps, damp thickets. [*V. renifolia* var. *brainerdii* (Greene) Fernald]



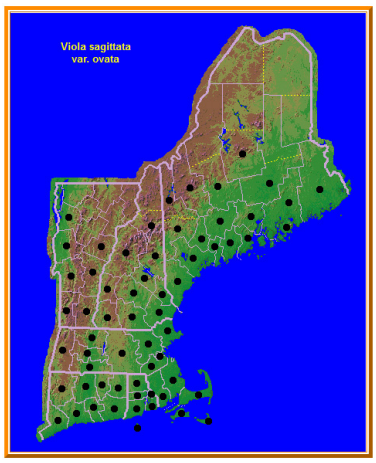


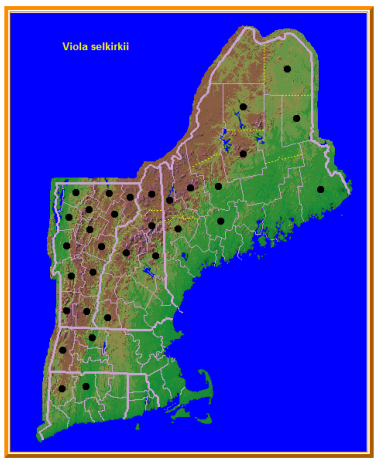


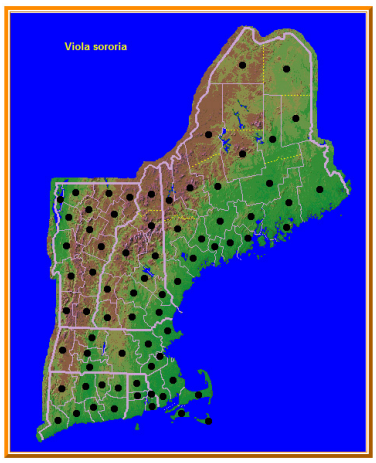
Viola rostrata Pursh - **Long-spurred Violet**. 2n = 20.
Rich, often calcareous, woods.

Viola rotundifolia Michaux - **Early Yellow Violet**. 2n = 12.
Rich woods.

Viola sagittata Aiton var. ***sagittata*** - **Arrow-leaved Violet**. 2n = 54.
Sterile meadows, dry, sandy fields and open woods, clearings, roadsides. [*V. emarginata* (Nuttall) Leconte]



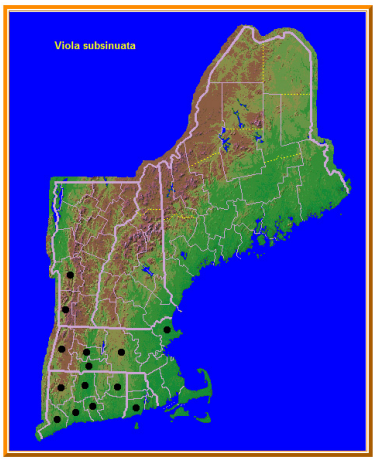


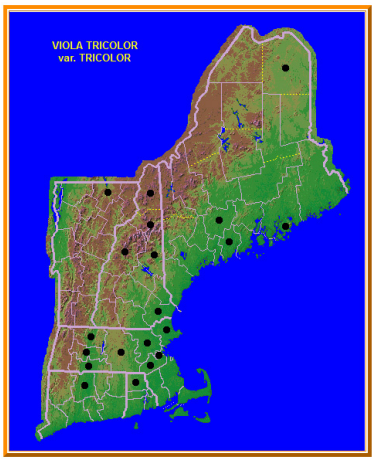


Viola sagittata Aiton var. ***ovata*** (Nuttall) Torrey & A. Gray - . 2n = 54.
Dry, sterile fields, woods, roadsides and clearings, railroads. [*V. fimbriatula* Smith]

Viola selkirkii Pursh *ex* Goldie - **Great-spurred Violet**. 2n = (12), 24.
Rich woods, rocky, shady slopes.

Viola sororia Willdenow - **Common Blue Violet**. 2n = 54.
Rich woods, thickets, streambanks, fields, clearings, roadsides, waste places. [*V. latiuscula* Greene; *V. septentrionalis* Greene]

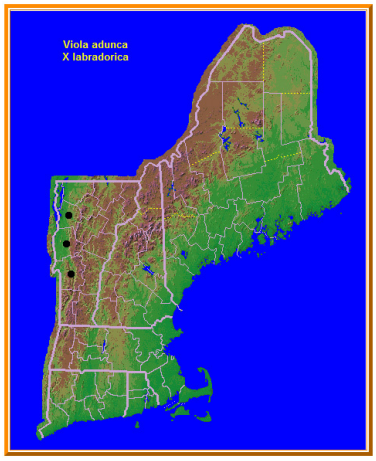




Viola striata Aiton - **Cream Violet**. 2n = 20.
Brookside in woodland.

Viola subsinuata (Greene) Greene - . 2n = 54.
Rich, often rocky, woods, calcareous ledges, dry hillsides, roadsides.

VIOLA TRICOLOR Linnaeus var. ***TRICOLOR*** - **Heart's-ease**. 2n = 26, (28), (34), (42), (46).
Field, waste places, gravel banks, roadsides, open woods. From Eurasia.



Viola hybrids

Viola adunca Smith X ***V. labradorica*** Schrank - .

Viola affinis Leconte X ***V. nephrophylla*** Greene - .
[*Viola* X *subaffinis* House]

Viola affinis Leconte X ***V. palmata*** Linnaeus - .

Viola affinis Leconte X ***V. sagittata*** Aiton var. ***sagittata*** - .

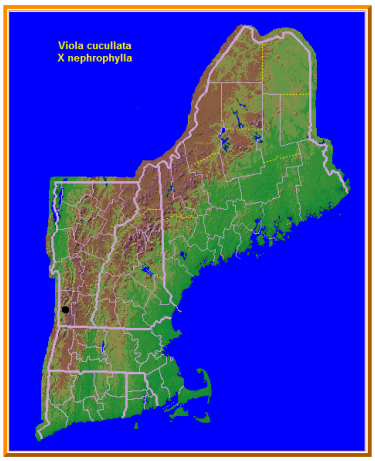
Viola affinis Leconte X ***V. sagittata*** Aiton var. ***ovata*** (Nuttall) Torrey & A. Gray - .
[*Viola* X *hollickii* House (*pro species*)]

Viola affinis Leconte X ***V. sororia*** Willdenow - .
[*Viola* X *champlainensis* House; *V.* X *filicetorum* Greene (*pro species*)]

Viola brittoniana Pollard X ***V. cucullata*** Aiton - .
[*Viola* X *notabilis* E.P. Bicknell (*pro species*)]

Viola brittoniana Pollard X ***V. lanceolata*** Linnaeus - .

Viola brittoniana Pollard X ***V. sagittata*** Aiton var. ***sagittata*** - .



Viola brittoniana Pollard X ***V. sagittata*** Aiton var. ***ovata*** (Nuttall) Torrey & A. Gray - .
[*Viola* X *mulfordae* Pollard (*pro species*)]

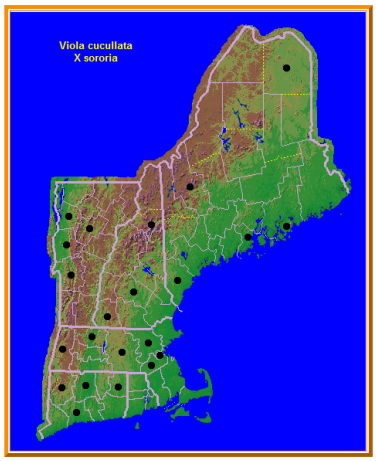
Viola brittoniana Pollard X ***V. sororia*** Willdenow - .
[*Viola* X *insolita* House]

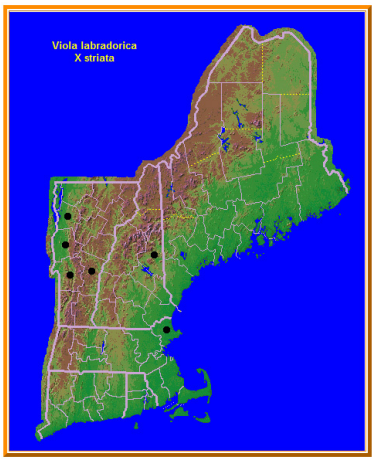
Viola cucullata Aiton X ***V. nephrophylla*** Greene - .
[*Viola* X *insessa* House]

Viola cucullata Aiton X ***V. palmata*** Linnaeus - .
[*Viola* X *greenmanii* House; *V.* X *ryoniae* House]

Viola cucullata Aiton X ***V. sagittata*** Linnaeus var. ***sagittata*** - .
[*Viola* X *festata* House] Note: Since one of the parent species, *V. sagittata* var. *sagittata*, is limited primarily to southern New England, the specimens from northern New England identified as this hybrid are more likely to be the next hybrid listed below.

Viola cucullata Aiton X ***V. sagittata*** Linnaeus var. ***ovata*** (Nuttall) Torrey & A. Gray - .
[*Viola* X *porteriana* Pollard (*pro species*)]





Viola cucullata Aiton X ***V. sororia*** Willdenow - .
[*Viola* X *bissellii* House; ?*V. papilionacea* Pursh]

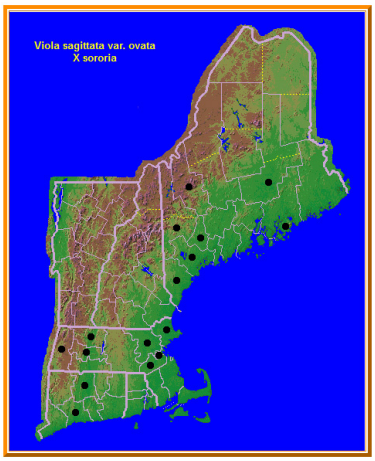
Viola labradorica Schrank X ***V. rostrata*** Pursh - .
[*Viola* X *malteana* House]

Viola labradorica Schrank X ***V. striata*** Aiton - .
[*Viola* X *eclipes* H.E. Ballard]

Viola lanceolata Linnaeus X ***V. primulifolia*** Linnaeus - .
[*Viola* X *modesta* House - illegitimate name]

Viola palmata Linnaeus X ***V. sagittata*** Linnaeus var. ***sagittata*** - .
[*Viola* X *mistura* House (*pro species*)]

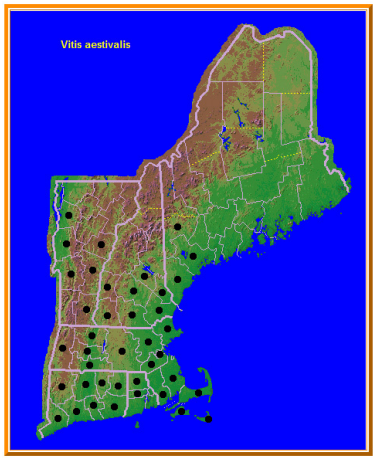
Viola palmata Linnaeus X ***V. sagittata*** Linnaeus var. ***ovata*** (Nuttall) Torrey & A. Gray - .
[*Viola* X *convicta* House; *V.* X *robinsoniana* House]

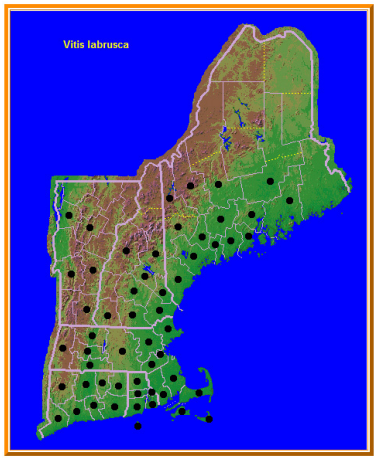


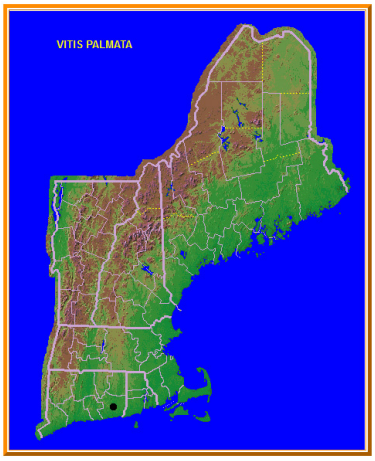
Viola palmata Linnaeus X ***V. sororia*** Willdenow - .
[*Viola* X *populifolia* Greene (*pro species*)]

Viola sagittata Linnaeus var. ***sagittata*** X ***V. sororia*** Willdenow - .
[*Viola* X *conjugens* Greene (*pro species*)]

Viola sagittata Linnaeus var. ***ovata*** (Nuttall) Torrey & A. Gray X ***V. sororia*** Willdenow - .
[*Viola* X *fernaldii* House]





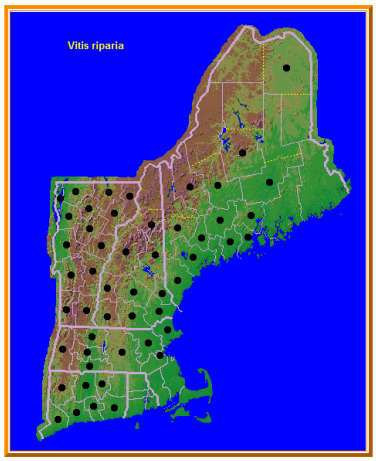


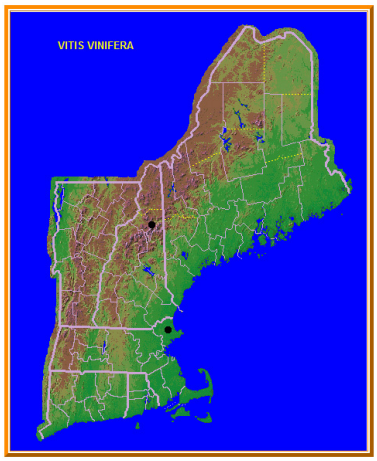
VITIS (Family: Vitaceae)

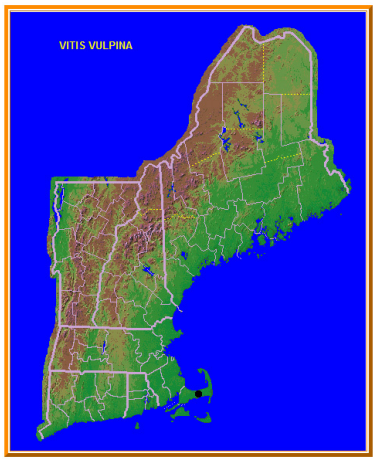
Vitis aestivalis Michaux - **Summer Grape**. 2n = 38.
Open woodlands, thickets, roadsides, rocky outcrops and slopes. [*V. aestivalis* var. *argentifolia* (Munson *ex* L.H. Bailey) Fernald; *V. aestivalis* var. *bicolor* Deam]

Vitis labrusca Linnaeus - **Fox Grape**. 2n = 38.
Thickets, streambanks, open woodlands, woodland and pond margins, roadsides.

VITIS PALMATA Vahl - **Catbird Grape**. 2n = 38.
Railroads. From farther south and west.



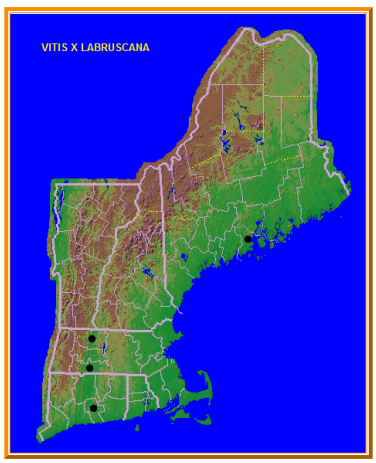


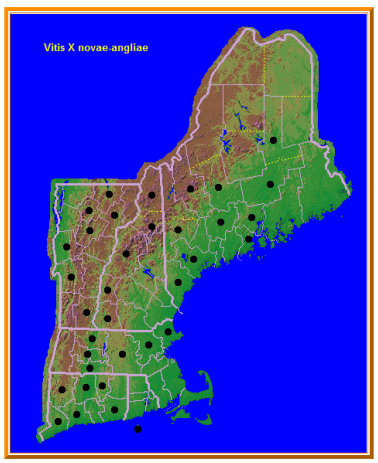


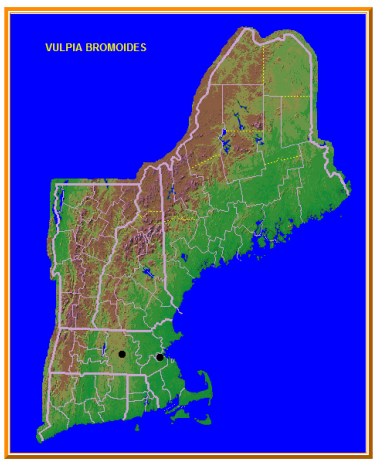
Vitis riparia Michaux - **Riverbank Grape**. 2n = 38, (40).
Streambanks, alluvial woodlands, meadows, roadsides, rich thickets. [*V. riparia* var. *syrticola* (Fernald & Wiegand) Fernald; *V. VULPINA* misapplied]

VITIS VINIFERA Linnaeus - **Wine Grape**. 2n = 38, (76).
Waste places. From Eurasia, northwestern Africa.

VITIS VULPINA Linnaeus - **Winter Grape**. 2n = 38.
Roadsides, thickets. From farther south and west.







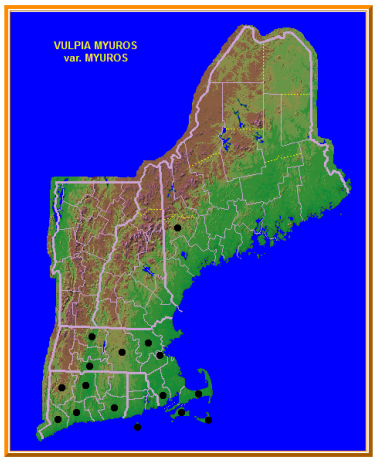
***Vitis* hybrids**

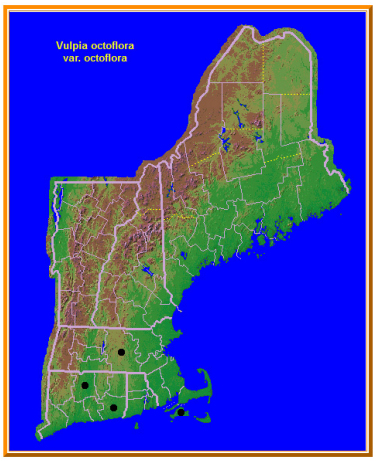
VITIS X ***LABRUSCANA*** L.H. Bailey - .
[*V. labrusca* Linnaeus X *VITIS* spp.]

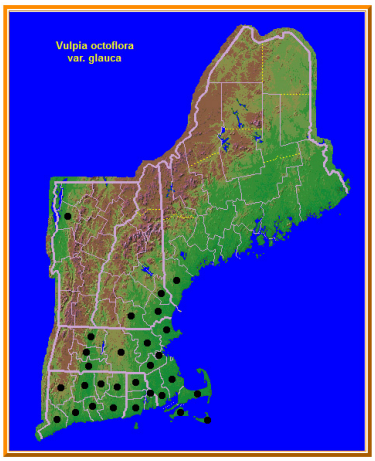
Vitis X ***novae-angliae*** Fernald (*pro species*) - .
[*V. labrusca* Linnaeus X *V. riparia* Michaux]

VULPIA (Family: Poaceae)

VULPIA BROMOIDES (Linnaeus) Gray - . 2n = 14, (42).
Waste places. From Europe. [*V. DERTONENSIS* (Allioni) Gola; *FESTUCA DERTONENSIS* (Allioni) Ascherson & Graebner]



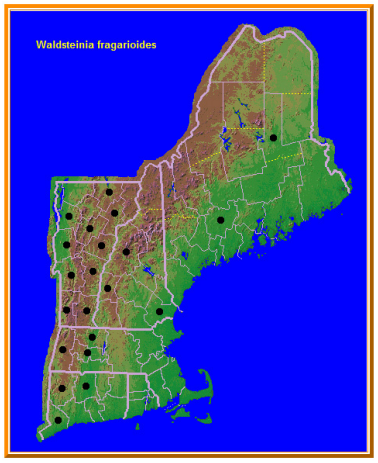


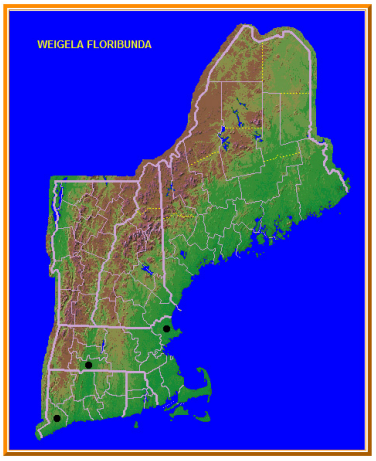


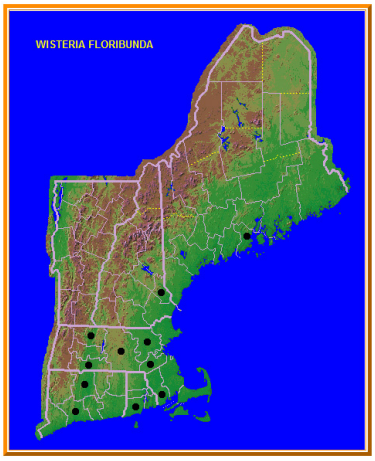
VULPIA MYUROS (Linnaeus) C.C. Gmelin var. ***MYUROS*** - **Rat-tail Fescue**. 2n = (14), (28), 42.
Dry fields, waste places. From Europe. [*FESTUCA MEGALURA* Nuttall; *F. MYUROS* Linnaeus]

Vulpia octoflora (Walter) Rydberg var. ***octoflora*** - **Six-weeks Fescue**. 2n = 14.
Marsh borders, sandy waste ground.

Vulpia octoflora (Walter) Rydberg var. ***glauca*** (Nuttall) Fernald - . 2n = 14.
Dry ledges, sandy soil. [*V. octoflora* var. *tenella* (Willdenow) Fernald; *Festuca octoflora* Walter var. *glauca* (Nuttall) Fernald; *F. octoflora* var. *tenella* (Willdenow) Fernald]







WALDSTEINIA (Family: Rosaceae)

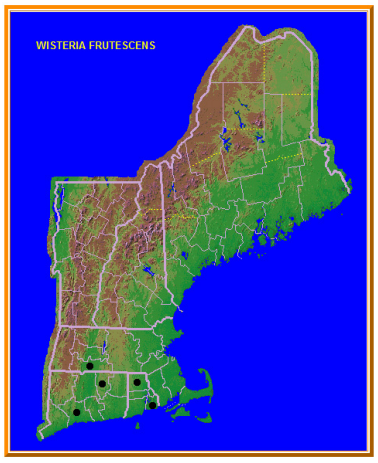
Waldsteinia fragarioides (Michaux) Trattinnick - **Barren Strawberry**. 2n = 14, 21, 42.
Rich, usually dry, woods, thickets, clearings, fields, roadsides. [*Geum fragarioides* (Michaux) Smedmark]

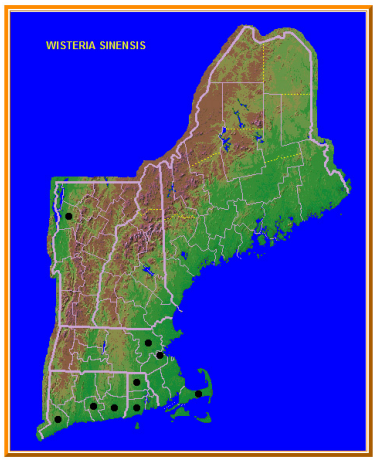
WEIGELA (Family: Caprifoliaceae)

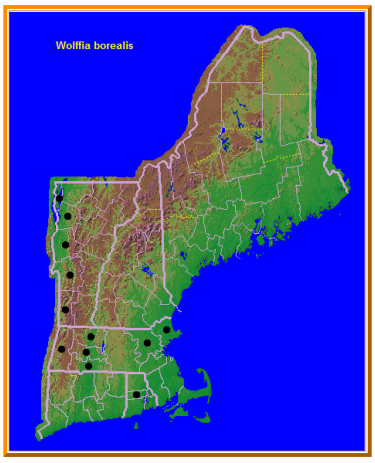
WEIGELA FLORIBUNDA (Siebold & Zuccarini) K. Koch - **Crimson Weigela**. 2n = 36.
Thickets, rocky roadsides. From Japan.

WISTERIA (Family: Fabaceae)

WISTERIA FLORIBUNDA (Willdenow) de Candolle - **Japanese Wisteria**. 2n = 16.
Woodland margins, fields, thickets. From Japan, Korea.





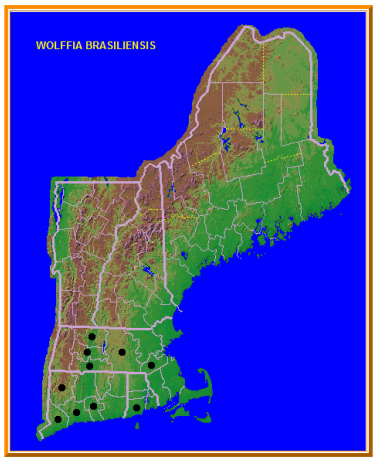


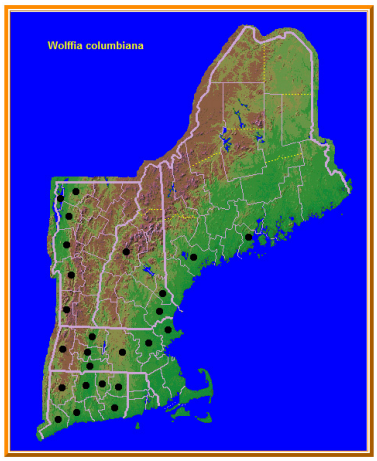
WISTERIA FRUTESCENS (Linnaeus) Poiret - **American Wisteria**. 2n = 16.
Woodland margins, roadsides. From farther south. [*W. MACROSTACHYA* (Torrey & A. Gray) Nuttall *ex* B.L. Robinson & Fernald]

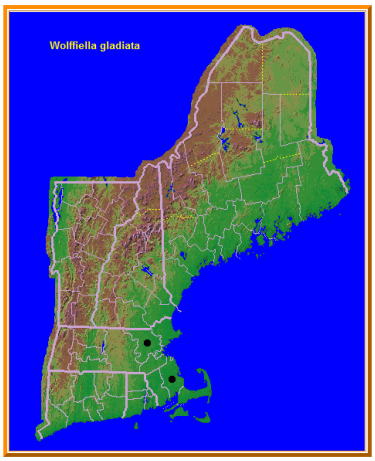
WISTERIA SINENSIS (Sims) de Candolle - **Chinese Wisteria**. 2n = 16, 32.
Woods, woodland margins, roadsides. From China.

WOLFFIA (Family: Araceae)

Wolffia borealis (Engelmann) Landolt & Wildi *ex* Gandhi, Wiersema & Brouillet - . 2n = 20, 22, 30, 40.
Floating on quiet waters of ditches, ponds, lakes and streams. [*W. punctata* misapplied]





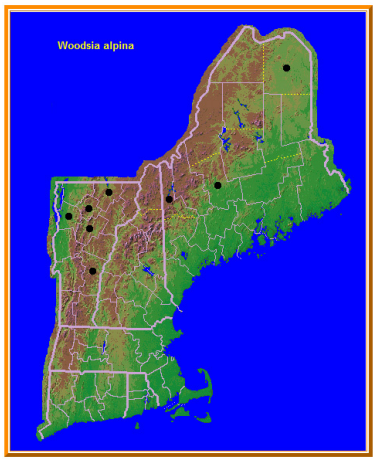


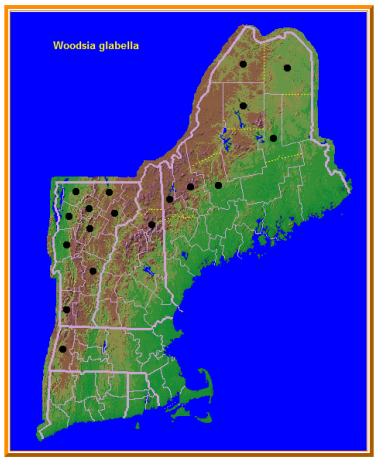
WOLFFIA BRASILIENSIS Weddell - . 2n = 20, 40, 42, 50, 60, 80.
Floating on quiet waters. From farther south. [*W. PAPULIFERA* C.H. Thompson]

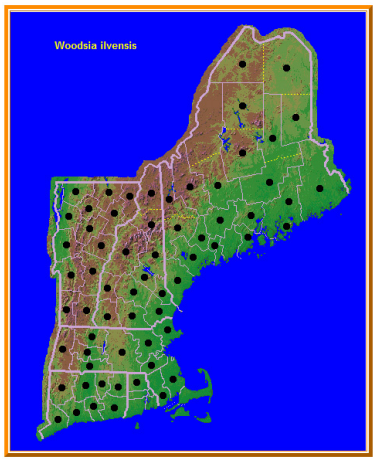
Wolffia columbiana H. Karsten - . 2n = 30, 40, 42, 50, 70.
Quiet, mostly basic waters of lakes, ponds, ditches and streams.

WOLFFIELLA (Family: Araceae)

Wolffiella gladiata (Hegelmaier) Hegelmaier - . 2n = 40, 42.
Quiet, acidic waters. [*W. floridana* (J.D. Smith) C.H. Thompson]





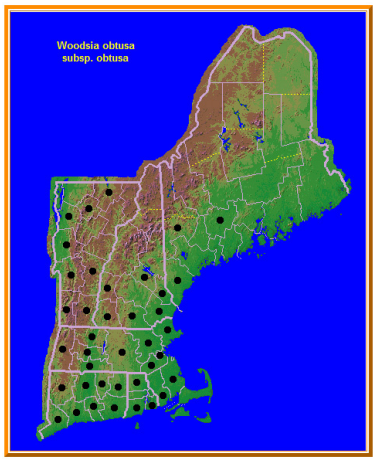


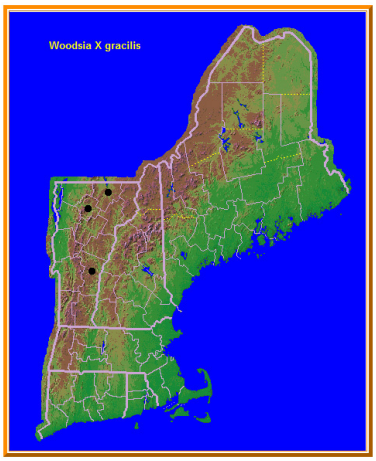
WOODSIA (Family: Woodsiaceae)

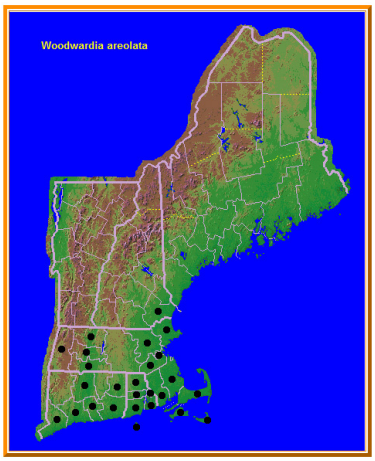
Woodsia alpina (Bolton) Gray - **Northern Woodsia**. 2n = 156, 164.
Cool, calcareous (sometimes slaty) rock crevices. [*W. alpina* var. *bellii* G. Lawson]

Woodsia glabella R. Brown *ex* Richardson - **Smooth Woodsia**. 2n = 78.
Moist, shaded crevices of calcareous rocks.

Woodsia ilvensis (Linnaeus) R. Brown - **Rusty Woodsia**. 2n = 78, 82.
Dry, often exposed, cliffs and talus.







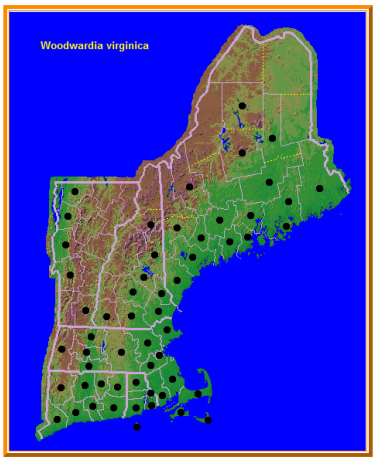
Woodsia obtusa (Sprengel) Torrey subsp. ***obtusa*** - **Blunt-lobed Woodsia**. 2n = 152.
Shaded ledges, rocky woods, mostly in calcareous soils.

***Woodsia* hybrids**

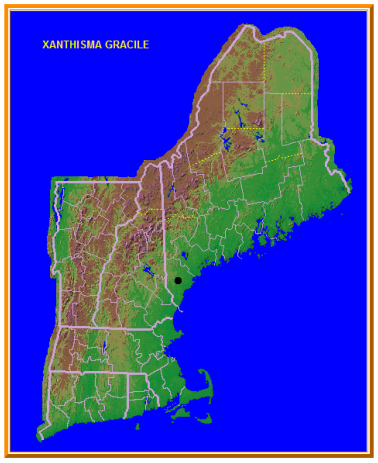
Woodsia x ***gracilis*** (G. Lawson) Butters - .
[*W. alpina* (Bolton) S.F. Gray X *W. ilvensis* (Linnaeus) R. Brown]

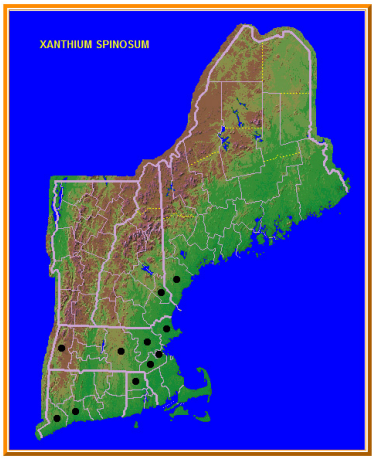
WOODWARDIA (Family: Blechnaceae)

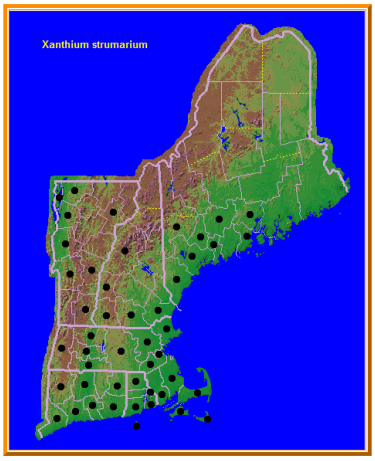
Woodwardia areolata (Linnaeus) T. Moore - **Netted Chain Fern**. 2n = 70.
Swamps, boggy woods, in acid soils.



Woodwardia virginica (Linnaeus) Smith - **Virginia Chain Fern**. 2n = 70.
Acid swamps, bogs, wet, wooded bottoms.







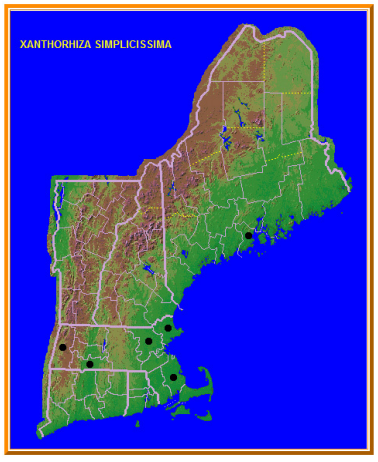
XANTHISMA (Family: Asteraceae)

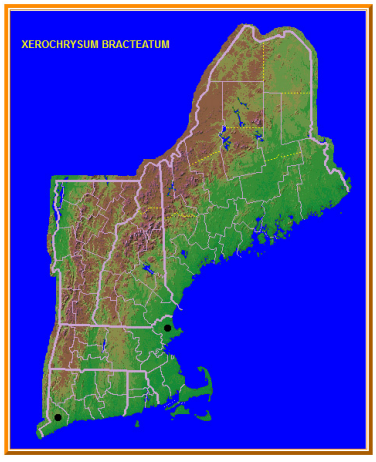
XANTHISMA GRACILE (Nuttall) D.R. Morgan & R.L. Hartman - . 2n = 4, 6, 8.
Wool waste. From farther west. [*HAPLOPAPPUS GRACILIS* (Nuttall) A. Gray]

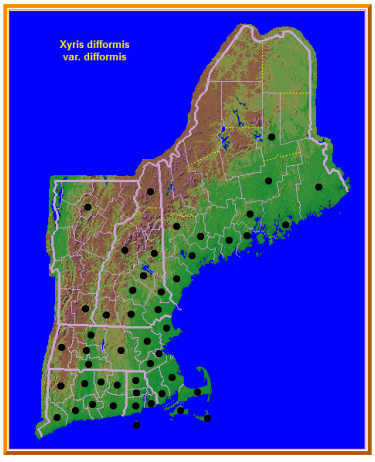
XANTHIUM (Family: Asteraceae)

XANTHIUM SPINOSUM Linnaeus - **Spiny Cocklebur**. 2n = 36.
Waste places. Possibly from South America. [*X. AMBROSIOIDES* Hooker & Arnott]

Xanthium strumarium Linnaeus - **Common Cocklebur**. 2n = 36.
Shores, salt marshes, waste places. [*X. chinense* Miller; *X. curvescens* Millspaugh & Sherff; *X. echinatum* Murray; *X. italicum* Moretti; *X. oligacanthium* Piper; *X. orientale* Linnaeus; *X. oviforme* Wallroth; *X. pensylvanicum* Wallroth; *X. speciosum* Kearney; *X. wootonii* Cockerell]







XANTHORHIZA (Family: Ranunculaceae)

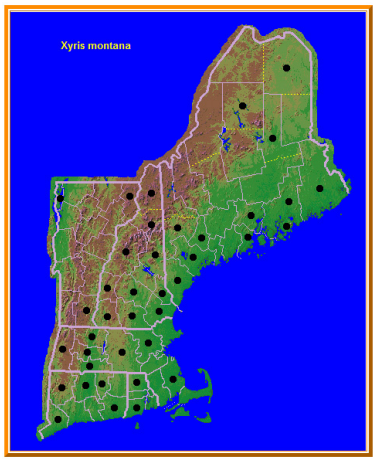
XANTHORHIZA SIMPLICISSIMA Marshall - **Yellowroot**. 2n = 36.
Moist woods, shaded stream banks. From farther south.

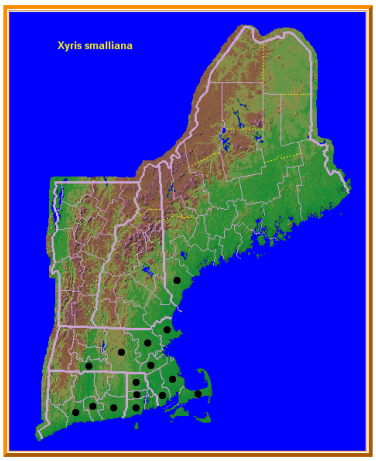
XEROCHRYSUM (Family: Asteraceae)

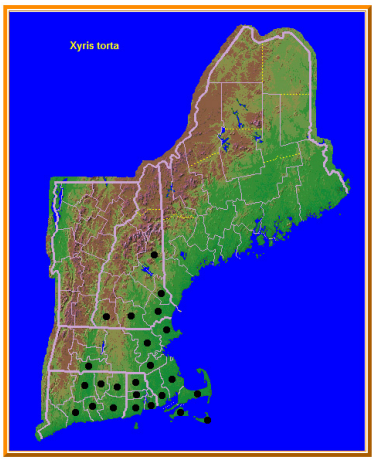
XEROCHRYSUM BRACTEATUM (Ventenat) Tzvelev - **Golden Everlasting**. 2n = 24, 26, 28.
Waste places. From Australia. [*HELICHRYSUM BRACTEATUM* (Ventenat) Andrews]

XYRIS (Family: Xyridaceae)

Xyris difformis Chapman var. ***difformis*** - **Common Yellow-eyed Grass**. 2n = 18.
Sandy shores of acid ponds, lakes and bogs. [*X. caroliniana* misapplied]



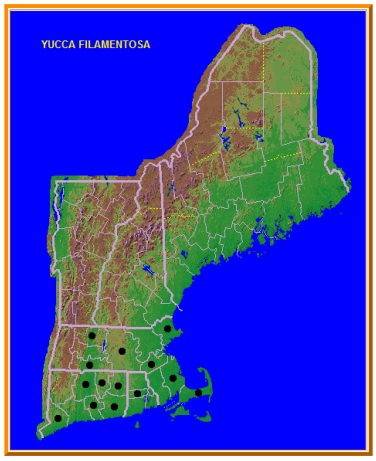


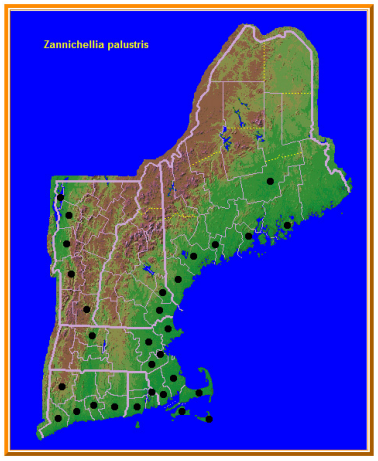


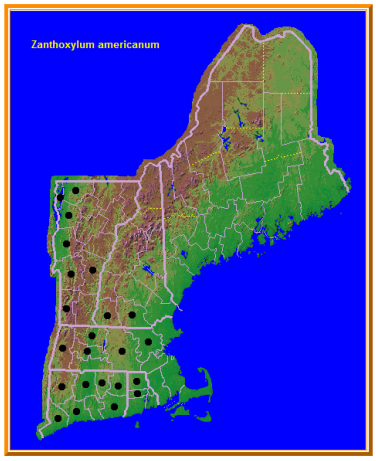
Xyris montana Ries - **Small Yellow-eyed Grass**. 2n = 18.
Sandy, mostly acidic shores and bogs.

Xyris smalliana Nash - . 2n = 18.
Muddy shores, bogs, swamps, sandy or sphagnous shallows. [*X. caroliniana* Walter var. *olneyi* Alph. Wood; *X. congdoni* Small]

Xyris torta Smith - . 2n = 18.
Sandy shores, sphagnous depressions, meadows.







YUCCA (Family: Asparagaceae)

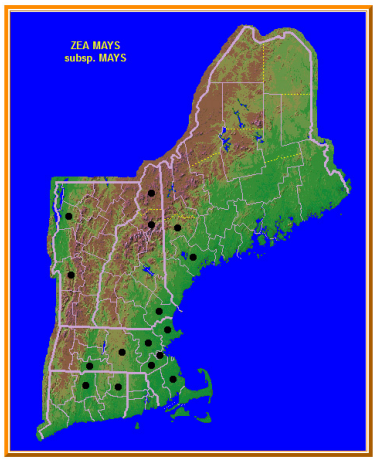
YUCCA FILAMENTOSA Linnaeus. - **Yucca**. 2n = 60.
Roadsides, waste places. From farther south.

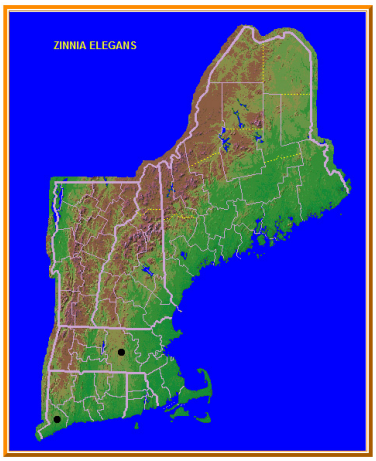
ZANNICHELLIA (Family: Potamogetonaceae)

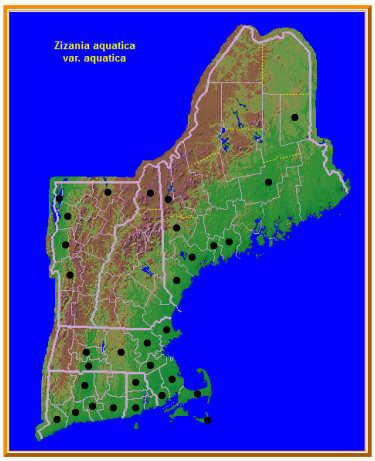
Zannichellia palustris Miller - **Horned Pondweed**. 2n = 12, 24, 28, 32, 34, 36, 48.
Fresh to brackish water of lakes, streams and estuaries. [*Z. palustris* var. *major* (Hartman) W. D. J. Koch]

ZANTHOXYLUM (Family: Rutaceae)

Zanthoxylum americanum Linnaeus - **Northern Prickly-Ash**. 2n = 68, 136.
Thickets, rocky fields, rich woodlands, streambanks, meadows, roadsides.







ZEA (Family: Poaceae)

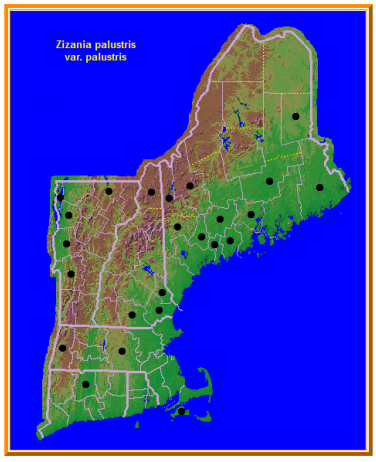
ZEA MAYS Linnaeus subsp. ***MAYS*** - **Corn**. 2n = 20, (40).
Waste places, roadsides, margins of cultivated fields. From Mexico.

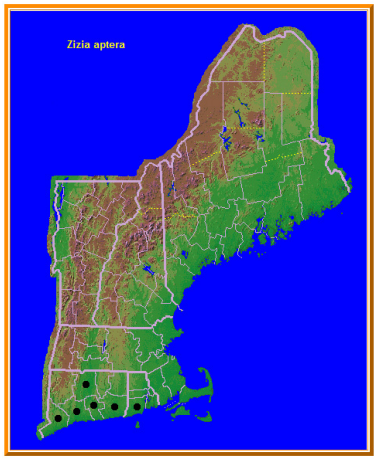
ZINNIA (Family: Asteraceae)

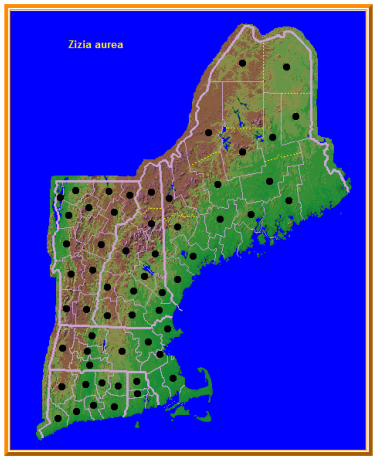
ZINNIA ELEGANS Jacquin - **Garden Zinnia**. 2n = 24.
Waste places. From Mexico. [*Z. VIOLACEA* Cavanilles]

ZIZANIA (Family: Poaceae)

Zizania aquatica Linnaeus var. ***aquatica*** - **Annual Wild Rice**. 2n = 30.
Mud flats along rivers, often tidal.





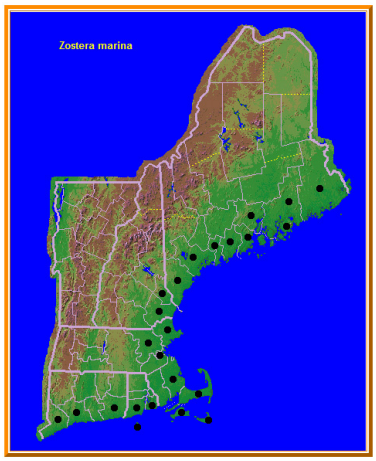


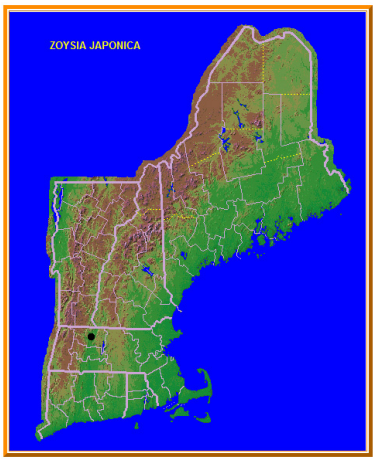
Zizania palustris Linnaeus var. ***palustris*** - **Northern Wild Rice**. 2n = 30.
Shallow, quiet waters. [*Z. aquatica* Linnaeus var. *angustifolia* Hitchcock]

ZIZIA (Family: Apiaceae)

Zizia aptera (A. Gray) Fernald - . 2n = 22.
Dry, open woodlands, openings.

Zizia aurea (Linnaeus) W.D.J. Koch - **Golden Alexanders**. 2n = 22.
Shores, meadows, damp thickets, wet woodlands, shaded roadsides.





ZOSTERA (Family: Zosteraceae)

Zostera marina Linnaeus - **Common Eel-grass**. 2n = 12.
Shallow waters of coastal estuaries, coves, and bays. [*Z. marina* var. *stenophylla* Ascherson & Graebner]

ZOYSIA (Family: Poaceae)

ZOYSIA JAPONICA Steudel - **Japanese Lawngrass**. 2n = 40.
Waste places. From southeastern Asia, including southeastern China; native or long-cultivated in eastern Asia.

EXCLUDED TAXA

A

ACER PALMATUM Thunberg [no voucher found of a population established in the wild; waifs and specimens on cultivated ground reported from various counties in Connecticut, Massachusetts and Rhode Island] {Sapindaceae}

AEGILOPS CYLINDRICA Host [no voucher found of a population established in the wild; reported from Worcester County, Massachusetts] {Poaceae}

AGARISTA POPULIFOLIA (Lamarck) Judd [no specimen located; reported from Newport County, Rhode Island] {Ericaceae}

AGASTACHE RUGOSA (Fischer & C.A. Meyer) Kuntze [identity of voucher specimen from Barnstable County, Massachusetts at NEBC is in question] {Lamiaceae}

ALCHEMILLA MICANS Buser (*A. GRACILIS* misapplied) [no specimen located; reported from Maine] {Rosaceae}

AMARANTHUS DUBIUS Martius *ex* Thellung [no specimen located; reported from Massachusetts at a boat landing in Ann. Missouri Bot. Garden. 37:607 (1950) by J.D. Sauer, but no specimen cited] {Amaranthaceae}

AMBERBOA MOSCHATA (Linnaeus) de Candolle [no voucher found of a population established in the wild; reported from Maine] {Asteraceae}

AMMOPHILA ARENARIA (Linnaeus) Link [no specimen located; reported from Barnstable County, Massachusetts] {Poaceae}

AMPELOPSIS ACONITIFOLIA Bunge [no voucher found of a population established in the wild; reported from New London and Tolland Counties, Connecticut, and Massachusetts] {Vitaceae}

AMPELOPSIS HUMULIFOLIA Bunge [no specimen located; reported from Sufflolk County, Massachusetts] {Vitaceae}

AMSINCKIA SPECTABILIS Fischer & C.A. Meyer [voucher for this is misidentified specimen of *AMSINCKIA MENZIESII* (Lehmann) A. Nelson & J.F. Macbride; reported from Middlesex County, Massachusetts] {Boraginaceae}

ANTENNARIA ROSEA Greene subsp. *PULVINATA* (Greene) R.J. Bayer (*A. PULVINATA* Greene) [no specimen located; reported from Maine] {Asteraceae}

APERA INTERRUPTA P. Beauvois [no specimen located; reported from Hancock County, Maine and Hampshire and Worcester Counties, Massachusetts] {Poaceae}

ARABIS PROCURRENS Waldstein & Kitaibel [no voucher found of a population established in the wild; reported from Middlesex County, Massachusetts] {Brassicaceae}

ARCTANTHEMUM ARCTICUM (Linnaeus) Tzvelev subsp. *POLARE* (Hultén) Tzvelev [no specimen located; reported from Massachusetts] {Asteraceae}

ARTEMISIA DRACUNCULUS Linnaeus (*A. GLAUCA* Pallas *ex* Willdenow var. *DRACUNCULINA* (S. Watson) Fernald) [no voucher found of a population established in the wild; reported from Essex and Worcester Counties, Massachusetts] {Asteraceae}

ARUNCUS DIOICUS (Walter) Fernald var. *VULGARIS* (Maximowicz) H. Hara [no voucher found of a population established in the wild; reported from Connecticut and Maine] {Rosaceae}

Asclepias tuberosa Linnaeus subsp. *interior* Woodson [no specimen located; reported from New London County, Connecticut] {Apocynaceae}

ASTRANTIA MAJOR Linnaeus [no voucher found of a population established in the wild; reported from Worcester County, Massachusetts] {Apiaceae}

ATRIPLEX MICRANTHA Ledebour (*A. HETEROSPERMA* Bunge) [no specimen located; reported from Maine] {Amaranthaceae}

B

BALLOTA NIGRA Linnaeus var. *ALBA* (Linnaeus) Tinant [specimen at NEBC from New Haven County, Connecticut annotated as this taxon has been re-annotated to *B. NIGRA* subsp. *FOETIDA*] {Lamiaceae}

BETULA PLATYPHYLLA Sukaczev (*B. SZECHUANICA* (C.K. Schneider) C.-A. Jansson) [identity of the voucher specimen at GH from Sufflolk County, Massachusetts is in question] {Betulaceae}

Betula X *purpusii* C.K. Schneider (*B. alleghaniensis* Britton X *B. pumila* Linnaeus) [voucher from Massachusetts has been re-identified as *B. alleghaniensis* Britton] {Betulaceae}

BOUTELOUA HIRSUTA Lagasca y Segura [vouchers for this from York County, Maine at NEBC and GH have been re-identified as *B. GRACILIS* Lagasca y Segura *ex* Griffiths] {Poaceae}

BRICKELLIA GRANDIFLORA (Hooker) Nuttall [no specimen located; reported from Newport County, Rhode Island] {Asteraceae}

BRIZA MAXIMA Linnaeus [no voucher found of a population established in the wild; reported from Massachusetts] {Poaceae}

BROWALLIA AMERICANA Linnaeus (*B. VISCOSA* misapplied) [no voucher found of a population established in the wild; reported from New Haven County, Connecticut and Norfolk County, Massachusetts] {Solanaceae}

BUPLEURUM ODONTITES Linnaeus [no voucher found of a population established in the wild; reported from Essex County, Massachusetts] {Apiaceae}

BUXUS SEMPERVIRENS Linnaeus [no voucher found of a population established in the wild; reported from Newport County, Rhode Island] {Buxaceae}

C

CALYSTEGIA HEDERACEA Wallich (*CONVOLVULUS WALLICHIANUS* Sprengel) [no specimen located; reported from Aroostook County, Maine; name is commonly misapplied to *CALYSTEGIA PUBESCENS* Lindley] {Convolvulaceae}

CALYSTEGIA SILVATICA (Kitaibel) Grisebach subsp. *DISJUNCTA* Brummitt [no specimen located; reported from Litchfield County, Connecticut] {Convolvulaceae}

CAMPANULA BONONIENSIS Linnaeus [report from Washington County, Maine is based on misidentified NEBC specimen of *C. RAPUNCULOIDES* Linnaeus] {Campanulaceae}

CAMPANULA LACTIFLORA M. von Bieberstein (*GADELLIA LACTIFLORA* (M. von Bieberstein) Schulkina) [no voucher found of a population established in the wild; reported from southern Coös County, New Hampshire] {Campanulaceae}

CAMPANULA LANATA Frivaldszky [no voucher found of a population established in the wild; reported from Middlesex County, Massachusetts] {Campanulaceae}

CAREX COMPLANATA Torrey & Hooker [identification of voucher specimen is in question; reported from Oxford County, Maine] {Cyperaceae}

Carex crinita Lamarck var. *porteri* (Olney) Fernald [the status of this taxon is in question; reported from multiple counties in Maine and Addison and Chittenden Counties, Vermont] {Cyperaceae}

CAREX MEADII Dewey [reported in error from Rhode Island in Flora North America Editorial Committee (2002) (A. Reznicek, personal communication, 2006)] {Cyperaceae}

Carex microglochin Wahlenberg subsp. *microglochin* [no specimen located; reported from Penobscot County, Maine] {Cyperaceae}

Carex woodii Dewey (*C. tetanica* Schkuhr var. *woodii* (Dewey) Wood) [voucher specimens appear to be *C. tetanica* Schkuhr; reported from western Connecticut] {Cyperaceae}

Carex X *helvola* Blytt (*pro species*) [no specimen located; reported from Washington County, Maine] {Cyperaceae}

CARTHAMUS LANATUS Linnaeus [no voucher found of a population established in the wild; reported from Barnstable, Hampden and Hampshire Counties, Massachusetts] {Asteraceae}

CARYA LACINIOSA (F. Michaux) Loudon [no voucher found of a population established in the wild; reported from Massachusetts] {Juglandaceae}

CASTILLEJA EXSERTA (A. Heller) T.I. Chuang & Heckard subsp. *EXSERTA* [no voucher found of a population established in the wild; reported from Massachusetts] {Orobanchaceae}

CELOSIA ARGENTEA Linnaeus [no voucher found of a population established in the wild; reported from Fairfield and New London Counties, Connecticut, Suffolk County, Massachusetts and Caledonia County, Vermont] {Amaranthaceae}

Cenchrus tribuloides Linnaeus [no specimen located; reported from Fairfield County, Connecticut] {Poaceae}

CENTAUREA BOVINA Velenovský [no specimen located; reported from Massachusetts] {Asteraceae}

CENTAUREA PHRYGIA Linnaeus (*C. AUSTRIACA* Willdenow) [no voucher found of a population established in the wild; reported from Bennington County, Vermont] {Asteraceae}

CENTAUREA X *PSAMMOGENA* Gáyer (*C. DIFFUSA* Lamarck X *C. STOEBE* Linnaeus subsp. *AUSTRALIS* (Pančić *ex* A. Kerner) Greuter) [no specimen located; reported from Massachusetts] {Asteraceae}

CENTIPEDA MINIMA (Linnaeus) A. Braun & Ascherson [no voucher found of a population established in the wild; reported from Norfolk County, Massachusetts] {Asteraceae}

CERASTIUM VELUTINUM Rafinesque var. *VELUTINUM* [no specimen located; reported from Massachusetts] {Caryophyllaceae}

CERATOPHYLLUM MURICATUM Chamisso subsp. *AUSTRALE* (Grisebach) Les [the Massachusetts voucher has been re-identified as *C. echinatum* A. Gray] {Ceratophyllaceae}

CHAEROPHYLLUM TAINTURIERI Hooker [no specimen located; reported from Rhode Island] {Apiaceae}

CHENOPODIUM DESICCATUM A. Nelson [no specimen located; reported from several New England states under the synonym *C. PRATERICOLA* Rydberg var. *OBLONGIFOLIUM* (S. Watson) Wahl, but if vouchers exist under this name, they are probably misidentifications of typical *C. PRATERICOLA*] {Amaranthaceae}

CHENOPODIUM OPULIFOLIUM Schrader *ex* W.D.J. Koch & Ziz [no specimen located; reported from Massachusetts and Rhode Island in early 20th century literature] {Amaranthaceae}

CHENOPODIUM WATSONII A. Nelson [no specimen located; reported from York County, Maine] {Amaranthaceae}

CHIONODOXA LUCILIAE Boissier [no specimen located; reported from Hampshire and Worcester Counties, Massachusetts] {Asparagaceae}

CHRYSANTHEMUM INDICUM Linnaeus (included under this name by some is *C. MORIFOLIUM* Ramatuelle, thought to be a hybrid of *C. INDICUM* and perhaps several other species)[no specimen located; reported from Hampshire and Worcester Counties, Massachusetts] {Asteraceae}

CHRYSOGONUM VIRGINIANUM Linnaeus var. *BREVISTOLON* G.L. Nesom [no specimen located; reported from Newport County, Rhode Island] {Asteraceae}

CIRSIUM CANUM (Linnaeus) Allioni [no specimen located; reported from Middlesex Co., Massachusetts] {Asteraceae}

CLAYTONIA SIBIRICA Linnaeus [no voucher found of a population established in the wild; reported from Essex County, Massachusetts] {Portulacaceae}

CLINOPODIUM MENTHIFOLIUM (Host) Stace subsp. *ASCENDENS* (Jordan) Govaerts [no specimen located; reported from Fairfield County, Connecticut] {Lamiaceae}

CLINOPODIUM NEPETA (Linnaeus) Kuntze subsp. *GLANDULOSUM* (Requien) Govaerts (*C. CALAMINTHA* (Linnaeus) Kuntze; *SATUREJA CALAMINTHA* (Linnaeus) Scheele subsp. *GLANDULOSA* (Requien) Briquet) [no specimen located; reported from Kent County, Rhode Island] {Lamiaceae}

COLEATAENIA LONGIFOLIA (Torrey) Soreng subsp. *COMBSII* (Scribner & C.R. Ball) Soreng (*PANICUM LONGIFOLIUM* Torrey var. *COMBSII* (Scribner & C.R. Ball) Fernald) [no specimen located; reported from Rhode Island] {Poaceae}

COLLINSONIA PUNCTATA Elliott (*C. CANADENSIS* var. *PUNCTATA* (Elliott) A. Gray) [no specimen located; report apparently based upon a misidentified specimen; reported from New London County, Connecticut] {Lamiaceae}

COLUTEA X *MEDIA* Willdenow (*C. ARBORESCENS* Linnaeus X *C. ORIENTALIS* Miller)[no specimen located; reported from Suffolk County, Massachusetts] {Fabaceae}

COMMELINA ERECTA Linnaeus [no specimen located; reported from Rhode Island] {Commelinaceae}

CONSOLIDA REGALIS Gray [no specimen located; reported from New Haven County, Connecticut] {Ranunculaceae}

COREOPSIS PALMATA Nuttall [no specimen located; reported from Worcester County, Massachusetts] {Asteraceae}

CORISPERMUM AMERICANUM (Nuttall) Nuttall var. *AMERICANUM* [no specimen located; reported from Massachusetts] {Amaranthaceae}

CORNUS KOUSA Bürger *ex* Hance [no voucher found of a population established in the wild; reported from Fairfield County, Connecticut] {Cornaceae}

CORRIGIOLA LITORALIS Linnaeus [no specimen located; reported from Plymouth County, Massachusetts] {Molluginaceae}

CORTADERIA SELLOANA (Schultes & Schultes (son)) Ascherson & Graebner [no specimen located; reported from Newport County, Rhode Island] {Poaceae}

COTULA AUSTRALIS (Sieber *ex* Sprengel) Hooker (son) [no specimen located; reported from Maine and Suffolk County, Massachusetts] {Asteraceae}

CREPIS PANNONICA (Jacquin) K. Koch [no specimen located; reported from Connecticut] {Asteraceae}

CROTON HEPTALON (Kuntze) B.W. van Ee & P.E. Berry [no voucher found; reported from Suffolk County, Massachusetts] {Euphorbiaceae}

CUMINUM CYMINUM Linnaeus [no voucher found of a population established in the wild; reported from Suffolk County, Massachusetts] {Apiaceae}

CUSCUTA CUSPIDATA Engelmann [no specimen located; reported from New Haven County, Connecticut] {Convolvulaceae}

CUSCUTA OBTUSIFLORA Kunth var. *GLANDULOSA* Engelmann [reported in error from three counties in Connecticut based on 1917 literature that used C. obtusiflora in the sense of Gray's Manual of Botany, 7th edition, which is *C. polygonorum* Engelmann] {Convolvulaceae}

CYMOPTERIS GLOMERATUS (Nuttall) de Candolle [reported in error from Rockingham County, New Hampshire; report based on an article on this western species in Rhodora 107:359 (2005) confusing it with the report of a new record of *Hibiscus moscheutos* Linnaeus from Rockingham County, New Hampshire in the same issue.] {Apiaceae}

CYNOGLOSSUM GLOCHIDIATUM Wallich *ex* Bentham (*C. WALLICHII* G. Don var. *GLOCHIDIATUM* (Wallich *ex* Bentham) Kazmi) [no specimen located; reported adventive in a garden in Worcester County, Massachusetts] {Boraginaceae}

CYRTOMIUM FALCATUM (Linnaeus (son)) C. Presl (*POLYSTICHUM FALCATUM* (Linnaeus (son)) Diels) [no specimen located; reported from Connecticut] {Dryopteridaceae}

CYTISUS X *PRAECOX* Bean (*C. MULTIFLORUS* (L'Héritier) Sweet X ?) [no specimen located; reported from Plymouth County, Massachusetts] {Fabaceae}

D

DANTHONIA SERICEA Nuttall [based on a misidentified specimen that is *D. spicata* (Linnaeus) P. Beauvois *ex* Roemer & Schultes; reported from Worcester County, Massachusetts] {Poaceae}

DELPHINIUM GRANDIFLORUM Linnaeus [no voucher found of a population established in the wild; reported from Windsor Co., Vermont] {Ranunculaceae}

Dichanthelium polyanthes (Schultes) Mohlenbrock (*Panicum polyanthes* Schultes) [no specimen located; reported from southern Connectict and southeastern Massachusetts] {Poaceae}

DIODIA VIRGINIANA Linnaeus var. *VIRGINIANA* [no voucher found of a population established in the wild; reported from New Haven and New London Counties, Connecticut] {Rubiaceae}

DIPLOTAXIS ERUCOIDES (Linnaeus) de Candolle [no voucher found of a population established in the wild; reported from Massachusetts] {Brassicaceae}

DRABA LACTEA Adams (*D. ALLENII* Fernald) [no specimen located; reported with question from Mt. Katahdin, Maine] {Brassicaceae}

DRACOCEPHALUM MOLDAVICA Linnaeus [no voucher found of a population established in the wild; reported from Hartford County, Connecticut and Rutland County, Vermont] {Lamiaceae}

Dryas integrifolia Vahl subsp. *integrifolia* [no specimen located; reported from Coös County, New Hampshire] {Rosaceae}

E

ELAEAGNUS PUNGENS Thunberg [no voucher found of a population established in the wild; reported as waif in Plymouth County, Massachusetts] {Elaeagnaceae}

EPILOBIUM MONTANUM Linnaeus [specimen of F. C. Seymour collected in 1971 not located; reported from Maine] {Onagraceae}

EPILOBIUM PARVIFLORUM Schreber [no specimen located; reported from Washington County, Vermont] {Onagraceae}

ERAGROSTIS HIRSUTA (Michaux) Nees [no voucher found of a population established in the wild; reported from Massachusetts and specimen on nursery property in Hartford County, Connecticut] {Poaceae}

EREMOCHLOA OPHIUROIDES (Munro) Hackel [no voucher found of a population established in the wild; reported from Franklin County, Massachusetts] {Poaceae}

ERODIUM LACINIATUM (Cavanilles) Willdenow var. *BOVEI* (Delile) Murbeck [no specimen located; reported in 1918 in wool waste in Middlesex County, Massachusetts] {Geraniaceae}

EUCHITON INVOLUCRATUS (G. Forster) Anderberg (*GNAPHALIUM INVOLUCRATUM* G. Forster) [no voucher found of a population established in the wild; reported from Hampshire County, Massachusetts] {Asteraceae}

EUONYMUS OBOVATUS Nuttall [no voucher found of a population established in the wild; reported from Suffolk County, Massachusetts on grounds of Arnold Arboretum] {Celastraceae}

EUONYMUS PHELLOMANUS Loesener [no voucher found of a population established in the wild; reported from Fairfield and New Haven Counties, Connecticut, and from Norfolk County, Massachusetts] {Celastraceae}

EUPATORIUM CAPILLIFOLIUM (Lamarck) Small [no specimen located; reported from Fairfield County, Connecticut and Massachusetts] {Asteraceae}

EUPHORBIA MESEMBRYANTHEMIFOLIA Jacquin [voucher specimen is misidentified; reported from Middlesex County, Massachusetts] {Euphorbiaceae}

EUPHORBIA PUBENTISSIMA Michaux (*E. COROLLATA* Linnaeus var. *MOLLIS* Millspaugh) [voucher specimens are misidentified *E. COROLLATA* (typical); reported from Coös County, New Hampshire] {Euphorbiaceae}

EUPHORBIA SERPENS Kunth [no voucher found of a population established in the wild; reported from Belknap County, New Hampshire, and Vermont] {Euphorbiaceae}

EUPHORBIA SERPILLIFOLIA Persoon subsp. *SERPILLIFOLIA* [no voucher found of a population established in the wild; reported from New Hampshire] {Euphorbiaceae}

Euphrasia suborbicularis P.D. Sell & Yeo [no specimen located; reported from Aroostook and Hancock Counties, Maine] {Orobanchaceae}

Euphrasia X *aequalis* Callen (E. nemorosa (Persoon) Wettstein X *E. tetraquetra* (Brébisson) Arrondeau) [no specimen located; reported from Aroostook County, Maine] {Orobanchaceae}

EURYBIA SURCULOSA (Michaux) G.L. Nesom (*ASTER SURCULOSA* Michaux) [no specimen located; reported from Massachusetts and Connecticut] {Asteraceae}

F

FATOUA VILLOSA (Thunberg) Nakai [no voucher found of a population established in the wild; reported from New London County, Connecticut and Suffolk County, Massachusetts] {Moraceae}

FIMBRISTYLIS PUBERULA (Michaux) Vahl var. *PUBERULA* [voucher specimen from Barnstable Co., Massachusetts annotated by Bruce A. Sorrie and Ray Angelo has not been confirmed in the field; the specific locality given on the collection label does not exist] {Cyperaceae}

FLAVERIA TRINERVIA (Sprengel) C. Mohr [no specimen found; reported from Middlesex County, Massachusetts] {Asteraceae}

FORSYTHIA OVATA Nakai [no voucher found of a population established in the wild; reported from Rhode Island] {Oleaceae}

FROELICHIA ARIZONICA Thornber ex Standley [The voucher specimen from Suffolk Co., Massachusetts has been reidentified as *FROELICHIA GRACILIS* (Hooker) Moquin-Tandon.] {Amaranthaceae}

G

GAILLARDIA ARISTATA Pursh [no voucher found of a population established in the wild; reported from Connecticut, Massachusetts and New Hampshire] {Asteraceae}

GALIUM DIVARICATUM Pourret ex Lamarck [no voucher found of certain identity and of a population established in the wild; reported from Orleans County, Vermont] {Rubiaceae}

Galium pilosum Aiton var. *puncticulosum* (Michaux) Torrey & A. Gray [no specimen located; reported from Connecticut] {Rubiaceae}

GERANIUM AEQUALE (Babington) Aedo [no voucher found of a population established in the wild; reported from Barnstable and Norfolk Counties, Massachusetts, and Chittenden County, Vermont] {Geraniaceae}

GILIA CAPITATA Sims subsp. *CAPITATA* [no voucher found of a population established in the wild; reported from Caledonia County, Vermont] {Polemoniaceae}

GLANDULARIA X *HYBRIDA* (Grönland & Rümpler) G.L. Nesom & Pruski [no voucher found of a population established in the wild; reported from Nantucket County, Massachusetts] {Verbenaceae}

Gratiola virginiana L. var. *virginiana* [no specimen located; specimens at CONN from Connecticut have been found to be *G. neglecta* Torrey; older specimens use *G. virginiana* in the sense of Gray's Manual 7th ed. which included the common *G. neglecta* Torrey; reported more recently as seen on Block Island, Rhode Island] {Plantaginaceae}

GYMNADENIA CONOPSEA (Linnaeus) R. Brown [no specimen located; reported from Litchfield County, Connecticut] {Orchidaceae}

GYPSOPHILA REPENS Linnaeus [no voucher found of a population established in the wild; specimen collected in 1900 from York Co., Maine (NEBC) has no habitat information] {Caryophyllaceae}

H

HELIANTHUS DEBILIS Nuttall subsp. *DEBILIS* [no specimen located; reported from Cumberland County, Maine] {Asteraceae}

HELIANTHUS HIRSUTUS Rafinesque [no specimen located; reported from Connecticut] {Asteraceae}

HELIANTHUS MICROCEPHALUS Torrey & A. Gray [no voucher found of a population established in the wild; reported from New London, County, Connecticut] {Asteraceae}

HELIANTHUS OCCIDENTALIS Riddell subsp. *OCCIDENTALIS* [no specimen located; reported from Massachusetts] {Asteraceae}

HESPEROSTIPA COMATA (Trinius & Ruprecht) Barkworth subsp. *COMATA* [no voucher found of a population established in the wild; reported from Providence County, Rhode Island] {Poaceae}

HORDEUM MARINUUM Hudson subsp. *GUSSONEANUM* (Parlatore) Thellung (*H. GUSSONEANUM* Parlatore; *H. HYSTRIX* Roth)[no specimen located; reported from Massachusetts] {Poaceae}

HYDRANGEA CINEREA Small [no voucher found of a population established in the wild; reported from Essex County, Massachusetts] Hydrangeaceae}

HYPERICUM DOLABRIFORME Ventenat [no voucher found of a population established in the wild; only voucher is the type specimen for *H. BISSELLII* B.L. Robinson from Hartford County, Connecticut, which simply notes the road where it was found] {Hypericaceae}

I

IBICELLA LUTEA (Lindley) Van Eseltine [no specimen located; reported from Massachusetts] {Martyniaceae}

ILEX AMBIGUA (Michaux) Torrey (*ILEX MONTANA* Torrey & A. Gray var. *MOLLIS* (A. Gray) Britton) [reported in error from Litchfield County, Connecticut, and Berkshire County, Massachusetts, based on native *Ilex montana* Torrey & A. Gray records] {Aquifoliaceae}

ILEX AQUIFOLIUM Linnaeus [no voucher found of a population established in the wild; reported from Middlesex County, Massachusetts] {Aquifoliaceae}

ILEX CASSINE Linnaeus [no specimen located; reported from Grafton and Merrimack Counties, New Hampshire] {Aquifoliaceae}

ILLECEBRUM VERTICILLATUM Linnaeus [no voucher found of a population established in the wild; reported from Middlesex Co., Massachusetts] {Caryophyllaceae}

INULA SALICINA Linnaeus [no specimen located; reported from Essex County, Massachusetts] {Asteraceae}

IPOMOEA QUAMOCLIT Linnaeus [no voucher found of a population established in the wild; reported from Windsor County, Vermont] {Convolvulaceae}

IPOMOEA TRICOLOR Cavanilles [no voucher found of a population established in the wild; reported from Middlesex County, Massachusetts] {Convolvulaceae}

IRIS ENSATA Thunberg (*I. KAEMPFERI* Siebold *ex* Lemaire) [no voucher found of a population established in the wild; reported from Windsor County, Vermont] {Iridaceae}

ISMELIA CARINATA (Schousboe) 'Bipontinus' Schultz [no specimen located; reported from Essex County, Massachusetts] {Asteraceae}

J

JUGLANS X *BIXBYI* Rehder (*J. AILANTIFOLIA* Carrière X *J. cinerea* Linnaeus) [no specimen located; reported from Franklin and Worcester Counties, Massachusetts] {Juglandaceae}

JUGLANS X *QUADRANGULATA* (Carrière) Rehder (*J. cinerea* Linnaeus X *J. REGIA* Linnaeus) [no specimen located; reported from eastern Massachusetts] {Juglandaceae}

K

KICKXIA SPURIA (Linnaeus) Dumortier [no specimen located; reported from Newport County, Rhode Island] {Plantaginaceae}

KOELREUTERIA PANICULATA Lamarck [no voucher found of a population established in the wild; reported from various counties in Connecticut and Massachusetts] {Sapindaceae}

Kyllinga brevifolia Rottbøll (*Cyperus brevifolius* (Rottbøll) Endlicher *ex* Hasskarl) [no voucher found of a population established in the wild; reported from Fairfield County, Connecticut] {Cyperaceae}

L

LABLAB PURPUREUS (Linnaeus) Sweet (*DOLICHOS LABLAB* Linnaeus) [no specimen located; reported from Worcester County, Massachusetts] {Fabaceae}

Lactuca floridana (Linnaeus) Gaertner [voucher has been re-identified as *L. biennis* (Moench) Fernald; reported from Barnstable County, Massachusetts] {Asteraceae}

LACTUCA SALIGNA Linnaeus [no specimen located; reported from Maine and Massachusetts]] {Asteraceae}

LAGENARIA SICERARIA (Molina) Standley [no voucher found of a population established in the wild; reported from Suffolk and Worcester Counties, Massachusetts] {Cucurbitaceae}

LAGURUS OVATUS Linnaeus [no voucher found of a population established in the wild; reported from Fairfield County, Connecticut] {Poaceae}

LANDOLTIA PUNCTATA (G. Meyer) Les & D.J. Crawford (*SPIRODELA OLIGORRHIZA* (Kurz) Hegelmaier) [no voucher found of a population established in the wild; reported from Middlesex County, Massachusetts] {Araceae}

LAPPULA CENCHRUSOIDES A. Nelson [no specimen located; reported from Connecticut and Massachusetts] {Boraginaceae}

LATHYRUS APHACA Linnaeus [no specimen located; reported from Berkshire and Suffolk Counties, Massachusetts] {Fabaceae}

LATHYRUS PANNONICUS (Jacquin) Garcke subsp. *PANNONICUS* [no voucher found of a population established in the wild; reported from Suffolk County, Massachusetts] {Fabaceae}

LATHYRUS SATIVUS Linnaeus [no specimen located; reported from Middlesex County, Massachusetts] {Fabaceae}

LAVANDULA ANGUSTIFOLIA Miller [no voucher found of a population established in the wild; reported from Chittenden, Orleans and Windham Counties, Vermont] {Lamiaceae}

Lechea racemulosa Michaux [no specimen located; reported from Connecticut; a specimen at NY not examined by us collected in 2000 in a gravel quarry in Washington County, Maine, is deemed most likely to be misidentified as it is well outside the known range] {Cistaceae}

LEPIDIUM HIRTUM (Linnaeus) Smith [no specimen located; reported from Oxford County, Maine] {Brassicaceae}

Lepidium ramosissimum A. Nelson [no specimen located; reported from Maine] {Brassicaceae}

LIATRIS CYLINDRACEA Michaux [no voucher found of a population established in the wild; reported from Middlesex County, Massachusetts] {Asteraceae}

LIATRIS SCARIOSA (Linnaeus) Willdenow var. *NIEUWLANDII* (Lunell) E.G. Voss (*L.* X *NIEUWLANDII* (Lunell) Gaiser) [no specimen located; reported from Connecticut and Rhode Island] {Asteraceae}

Limosella aquatica Linnaeus [no specimen located; reported from Oxford and Somerset Counties, Maine] {Plantaginaceae}

LINARIA ANGUSTISSIMA (Loiseleur-Deslongchamps) Borbás (*L. ITALICA* L.C. Treviranus) [no specimen located; NEBC specimen from Worcester County, Massachusetts is misidentified *L. VULGARIS* Miller] {Plantaginaceae}

LINARIA PINIFOLIA (Poiret) Thellung (*L. RETICULATA* (Smith) Desfontaines) [no voucher of certain identity located; according to Llorenç Sáez in the draft treatment of *Linaria* for the Flora of North America project, all specimens seen in North America labeled as this species appear to be *L. MAROCCANA* J.D. Hooker and none of the Fairfield County, Connecticut, collections of Eames (#9511) are *L. PINIFOLIA* (Sáez, personal communication)] {Plantaginaceae}

LITHOSPERMUM LATIFOLIUM Michaux [no voucher found of a population established in the wild; reported from Essex County, Massachusetts] {Boraginaceae}

LOGFIA MINIMA (Smith) Dumortier (*FILAGO MINIMA* (Smith) Persoon) [no voucher found of a population established in the wild; reported from Middlesex County, Massachusetts] {Asteraceae}

LONICERA ALPIGENA Linnaeus [no voucher found of a population established in the wild; reported from Suffolk County, Massachusetts] {Caprifoliaceae}

LONICERA RETICULATA Rafinesque (*L. PROLIFERA* (G. Kirchner) Rehder) [no voucher found of a population established in the wild; reported from Hampshire, Middlesex and Worcester Counties, Massachusetts] {Caprifoliaceae}

LOTUS TENUIS Waldstein & Kitaibel *ex* Willdenow [no specimen located; reported as collected from Newport County, Rhode Island] {Fabaceae}

LUPINUS ANGUSTIFLORUS Eastwood [mistakenly listed in Maine checklist for *L. ANGUSTIFOLIUS* Linnaeus] {Fabaceae}

LUPINUS ANGUSTIFOLIUS Linnaeus [no specimen located; reported from Penobscot County, Maine] {Fabaceae}

LUPINUS NOOTKATENSIS Donn *ex* Sims var. *NOOTKATENSIS* [no specimen located; reported from northern New England] {Fabaceae}

Lycopodiella margueritae Rafinesque J.G. Bruce, W.H. Wagner & Beitel [no specimen located; reported from] {Lycopodiaceae}

Lythrum lineare Linnaeus [no specimen located; reported from Fairfield County, Connecticut] {Lythraceae}

LYTHRUM VIRGATUM Linnaeus [report based on misidentified *L. SALICARIA* Linnaeus from Norfolk County, Massachusetts] {Lythraceae}

M

MALCOLMIA MARITIMA (Linnaeus) W.T. Aiton [no voucher found of a population established in the wild; reported from Coös, New Hampshire] {Brassicaceae}

MALUS HUPEHENSIS (Pampanini) Rehder [no specimen located; reported from Suffolk County, Massachusetts] {Rosaceae}

MALUS MANDSHURICA (Maximowicz) Komarov *ex* Juzepczuk [no specimen located; reported from Suffolk County, Massachusetts] {Rosaceae}

MAZUS MIQUELII Makino (*M. REPTANS* N.E. Brown) [no voucher found of a population established in the wild; reported from Fairfield County, Connecticut, Sagadahoc County, Maine, and Barnstable and Hampshire Counties, Massachusetts] {Mazaceae}

MEDICAGO MONSPELIACA (Linnaeus) Trautvetter [no voucher found of a population established in the wild; reported from Massachusetts] {Fabaceae}

MELILOTUS ALTISSIMUS Thuillier [no specimen located; reported from Maine] {Fabaceae}

MIBORA MINIMA (Linnaeus) Desvaux [no voucher found of a population established in the wild; reported from Plymouth County, Massachusetts] {Poaceae}

MICROTHLASPI PERFOLIATUM (Linnaeus) F.K. Meyer [voucher has been re-identified as *LEPIDIUM PERFOLIATUM* Linnaeus; reported from Litchfield County, Connecticut] {Brassicaceae}

MODIOLA CAROLINIANA (Linnaeus) G. Don [no voucher found of a population established in the wild; reported from Hampshire County, Massachusetts] {Malvaceae}

MONARDA PUNCTATA Linnaeus var. *PUNCTATA* [no voucher found of a population established in the wild; reported from various counties in Massachusetts and Vermont] {Lamiaceae}

MYOSOTIS DISCOLOR Persoon (*M. VERSICOLOR* (Persoon) Smith) [no voucher found of a population established in the wild; reported from Worcester County, Massachusetts] {Boraginaceae}

N

NAVARRETIA INTERTEXTA (Bentham) Hooker subsp. *PROPINQUA* (Suksdorf) A.G. Day [no voucher found of a population established in the wild; reported from Massachusetts] {Polemoniaceae}

NELUMBO NUCIFERA Gaertner [no specimen located; reported from Massachusetts] {Nelumbonaceae}

NICOTIANA X *SANDERAE* W. Watson (pro species) (*N. ALATA* Link & Otto X *N. FORGETIANA* Sander) [no voucher found of a population established in the wild; reported from Norfolk County, Massachusetts] {Solanaceae}

O

OENOTHERA ELATA Kunth subsp. *HIRSUTISSIMA* (A. Gray *ex* S. Watson) W. Dietrich [no specimen located; reported from southern New England] {Onagraceae}

ONOBRYCHIS VICIIFOLIA Scopoli [no voucher found of a population established in the wild; reported from Norfolk County, Massachusetts, and Caledonia and Chittenden Counties, Vermont] {Fabaceae}

ORIGANUM MAJORANA Linnaeus [no voucher found of a population established in the wild; reported from Essex, Suffolk and Worcester Counties, Massachusetts] {Lamiaceae}

OROBANCHE MINOR Smith [no voucher found of a population established in the wild; reported from Caledonia County, Vermont] {Orobanchaceae}

OXALIS INTERMEDIA A. Richard [no voucher found of a population established in the wild; reported from Essex County, Massachusetts] {Oxalidaceae}

P

PAPAVER ARGEMONE Linnaeus [no specimen located; reported from Connecticut] {Papaveraceae}

PARIETARIA FLORIDANA Nuttall [NEBC specimen from New Hampshire identified as this is misidentified] {Urticaceae}

PARIETARIA HESPERA B.D. Hinton var. *HESPERA* [labels of the NEBC and GH specimens from New Hampshire are likely the result of a mix-up of labels; *P. HESPERA* is native to the deserts of the southwestern United States and northwestern Mexico.] {Urticaceae}

PARONYCHIA FASTIGIATA (Rafinesque) Fernald var. *NUTTALLII* (Small) Fernald [no specimen located; reported from Sagadahoc Co., Maine] {Caryophyllaceae}

PENSTEMON BARBATUS (Cavanilles) Roth var. *BARBATUS* [no voucher found of a population established in the wild; reported from Suffolk County, Massachusetts] {Plantaginaceae}

PENSTEMON CANESCENS (Britton) Britton [sole voucher has been re-identified as *P. hirsutus* (Linnaeus) Willdenow; reported previously from Bennington County, Vermont] {Plantaginaceae}

PEREZIA MULTIFLORA (Bonpland) Lessing subsp. *SONCHIFOLIA* (Baker) Vuilleumier (*P. ALETES* J.F. Macbride) [no voucher found of a population established in the wild; reported from Worcester County, Massachusetts] {Asteraceae}

PERSICARIA CHINENSIS (Linnaeus) H. Gross [no specimen located; reported from Massachusetts] {Caryophyllaceae}

PETASITES JAPONICUS (Siebold & Zuccarini) Maximowicz [no voucher found of a population established in the wild; reported from York County, Maine] {Asteraceae}

PHACELIA CAMPANULARIA A. Gray subsp. *CAMPANULARIA* [no specimen located; reported from Suffolk County, Massachusetts] {Boraginaceae}

PHACELIA LINEARIS (Pursh) Holzinger [no voucher found of a population established in the wild; reported from Hartford County, Connecticut, and Hancock County, Maine] {Boraginaceae}

PHACELIA PURSHII Buckley [no voucher found of a population established in the wild; reported from New Haven County, Connecticut, and Providence County, Rhode Island] {Boraginaceae}

PHACELIA TANACETIFOLIA Bentham [no voucher found of a population established in the wild; reported from Hancock County (Mt. Desert Island), Maine, and Middlesex and Worcester Counties, Massachusetts] {Boraginaceae}

PHACELIA VISCIDA (Bentham *ex* Lindley) Torrey [no specimen located; reported from Middlesex County, Connecticut] {Boraginaceae}

Phemeranthus teretifolius (Pursh) Rafinesque [no specimen located; reported from Connecticut] {Montiaceae}

PHLOX DRUMMONDII Hooker subsp. *DRUMMONDII* [no voucher found of a population established in the wild; reported from New London County, Connecticut, and Caledonia County, Vermont] {Polemoniaceae}

PHLOX LATIFOLIA Michaux (*P. OVATA* misapplied) [no specimen located; reported from Berkshire County, Massachusetts] {Polemoniaceae}

PHYSALIS MISSOURIENSIS Mackenzie & Bush [no specimen located; reported from Massachusetts] {Solanaceae}

PHYSALIS PUBESCENS Linnaeus var. *INTEGRIFOLIA* (Dunal) Waterfall [specialist in this genus has found no New England vouchers (Dr. Janet Sullivan, pers. comm.). Vouchers with this name or misapplied "*P. PRUINOSA*" are likely to be *P. grisea* (Waterfall) M. Martínez] {Solanaceae}

PICEA PUNGENS Engelmann [no specimen located; reported from Maine] {Pinaceae}

PIERIS FLORIBUNDA (Pursh) Bentham & Hooker (son) [no voucher found of a population established in the wild; reported from Windham County, Vermont] {Ericaceae}

PINELLIA TERNATA (Thunberg) Makino *ex* Breitenbach [no voucher found of a population established in the wild; reported from Windham County, Connecticut] {Araceae}

PLAGIOBOTHRYS HISPIDULUS (Greene) I.M. Johnston [no specimen found; reported from York County, Maine, and Middlesex County, Massachusetts. The voucher for the Middlesex County, Massachusetts, report has been identified as *P. RETICULATUS* (Piper) I.M. Johnston.] {Boraginaceae}

PLAGIOBOTHRYS TRACHYCARPUS (A. Gray) I.M. Johnston [no voucher found of a population established in the wild; reported from Hampshire County, Massachusetts] {Boraginaceae}

PLANTAGO AFRA Linnaeus [voucher specimen is from cultivated soil; reported from Worcester County, Massachusetts] {Plantaginaceae}

Platanthera X *bicolor* (Rafinesque) Luer (*pro species*) (*P. blephariglottis* (Willdenow) Lindley X *P. ciliaris* (Linnaeus) Lindley) [no specimen located; reported from Connecticut and Rhode Island] {Orchidaceae}

Platanthera X *vossii* Case (*P. blephariglottis* (Willdenow) Lindley X *P. clavellata* (Michaux) Luer) [no specimen located; reported from Maine and Massachusetts] {Orchidaceae}

PLATANUS X *ACERIFOLIA* (Aiton) Willdenow (*P. occidentalis* Linnaeus X *P. ORIENTALIS* Linnaeus) [no voucher found of a population established in the wild; reported from Middlesex County, Massachusetts] {Platanaceae}

Poa alpina Linnaeus subsp. *alpina* [no specimen located; reported from Coös County, New Hampshire] {Poaceae}

POA SECUNDA J. Presl subsp. *SECUNDA* [no specimen located; reported from York County, Maine] {Poaceae}

POLEMONIUM CUSPIDATUM Siebold & Zuccarini [no specimen located; reported from Aroostook County, Maine] {Polemoniaceae}

POLEMONIUM MICRANTHUM Bentham [no voucher of wild occurrence found; reported from Norfolk County, Massachusetts.] {Polemoniaceae}

POLYCNEMUM MAJUS A. Braun *ex* Bogenhard [no specimen located; reported from Coös Co., New Hampshire] {Amaranthaceae}

POLYGONUM ARGYROCOLEON Steudel *ex* Kunze [no specimen located; reported from Massachusetts and Vermont] {Polygonaceae}

POLYGONUM OXYSPERMUM C.A. Meyer & Bunge *ex* Ledebour subsp. *RAII* (Babington) D. A. Webb & Chater [no specimen located; reported from Maine] {Polygonaceae}

Potamogeton X *sparganiifolius* Laestadius *ex* Fries (pro species) (*P. gramineus* Linnaeus X *P. natans* Linnaeus) [no specimen located; reported from Franklin County, Massachusetts and Stafford County, New Hampshire] {Potamogetonaceae}

POTENTILLA ALBA Linnaeus [no voucher found of a population established in the wild; reported from Connecticut and Suffolk County, Massachusetts] {Rosaceae}

POTENTILLA COLLINA Wibel [no specimen located; reported from Massachusetts] {Rosaceae}

POTENTILLA ERECTA (Linnaeus) Raeuschel [no specimen located; reported from Massachusetts] {Rosaceae}

PRIMULA ELATIOR Hill [no specimen located; reported from Hartford County, Connecticut] {Primulaceae}

PRIMULA WILSONII Dunn var. *ANISODORA* (Balfour (son) & Forrest) A.J. Richards (*P. anisodora* Balfour (son) & Forrest) [voucher for report from Berkshire Co., Massachusetts; has been re-identified identified as *P. JAPONICA* A. Gray] {Primulaceae}

Proserpinaca intermedia Mackenzie [taxa of unknown status intermediate between *P. palustris* Linnaeus and *P. pectinata* Lamarck which is not recognized by Flora of North America] (Haloragaceae)

PRUNELLA LACINIATA Linnaeus [no voucher found of a population established in the wild; reported from Dukes County, Massachusetts] {Lamiaceae}

PRUNUS SPECIOSA (Koidzumi) Nakai [no specimen located; reported from Massachusetts] {Rosaceae}

Q

QUERCUS PHELLOS Linnaeus [no voucher found of a population established in the wild; reported from New London County, Connecticut] {Fagaceae}

QUERCUS X *SARGENTII* Rehder (*Q. montana* Willdenow X *Q. ROBUR* Linnaeus) [no specimen seen; reported from Norfolk County, Massachusetts] {Fagaceae}

R

RANUNCULUS LAXICAULIS (Torrey & A. Gray) Darby [no specimen located; reported from Connecticut and Vermont, apparently based upon application of this name to specimens of *R. ambigens* S. Watson] {Ranunculaceae}

RHAMNUS DAVURICA Pallas subsp. *NIPPONICA* (Makino) Kartesz & Gandhi [no voucher found of a population established in the wild; reported from Worcester County, Massachusetts and Rhode Island] {Rhamnaceae}

RHAMNUS UTILIS Decaisne var. *UTILIS* [no specimen located; reported from Tolland County, Connecticut] {Rhamnaceae}

RHODODENDRON COLUMBIANUM (Piper) Harmaja [a single 1871 specimen from Mt. Washington, New Hampshire annotated as this species, and far from its known range, is excluded until its status in New England is better understood.] {Ericaceae}

RHODODENDRON TOMENTOSUM Harmaja [a single 1947 specimen from a bog in Carroll Co., New Hampshire annotated as this species, and distant from its known range, is excluded until its status in New England is better understood.] {Ericaceae}

RORIPPA SESSILIFLORA (Nuttall) Hitchcock [no voucher found of a population established in the wild; reported from Essex County, Massachusetts] {Brassicaceae}

ROSA CAROLINA Linnaeus subsp. *SUBSERRULATA* (Rydberg) W.H. Lewis (*R. CAROLINA* var. *SETIGERA* Crépin *ex* Kennedy) [no specimen located; reported from Maine, New Hampshire and Vermont] {Rosaceae}

ROSA MULTIFLORA Thunberg var. *CALVA* Franchet & Savatier [voucher has been reidentified as *R. MULTIFLORA* var. *MULTIFLORA*; reported from Middlesex County, Massachusetts] {Rosaceae}

ROSA SEMPERVIRENS Linnaeus [no specimen located; reported from Worcester County, Massachusetts] {Rosaceae}

ROSA TOMENTOSA Smith [no specimen located; reported from Vermont] {Rosaceae}

Rosa X *palustriformis* Rydberg (*pro species*), (*R. blanda* Aiton X *R. palustris* Marshall) [no specimen located; reported from Maine] {Rosaceae}

RUBIA TINCTORUM Linnaeus [no voucher found of a population established in the wild; reported from Hampshire County, Massachusetts] {Rubiaceae}

Rubus arcticus Linnaeus subsp. *acaulis* (Michaux) Focke (*R. acaulis* Michaux) [no specimen located; reported from Androscoggin and Kennebec Counties, Maine] {Rosaceae}

RUBUS PARVIFLORUS Nuttall [no specimen located; reported from Massachusetts; this report possibly a confusion with *R. PARVIFOLIUS* Linnaeus] {Rosaceae}

Rudbeckia laciniata Linnaeus var. *bipinnata* Perdue [no specimen located; reported from Connecticut, Massachusetts and New Hampshire] {Asteraceae}

RUMEX CONGLOMERATUS Murray [no specimen located; reported from Massachusetts] {Polygonaceae}

RUMEX SANGUINEUS Linnaeus [no specimen located; reported from Connecticut] {Polygonaceae}

S

SABATIA ANGULARIS (Linnaeus) Pursh [no voucher found of a population established in the wild; reported from Essex County, Massachusetts, and Connecticut] {Gentianaceae}

SACCIOLEPIS STRIATA (Linnaeus) Nash [no specimen located; reported from Washington County, Maine and Worcester County, Massachusetts] {Poaceae}

SAGITTARIA AUSTRALIS (J.G. Smith) Small [no specimen located, said to be at VT; reported from Chittenden County, Vermont] {Alismataceae}

SALICORNIA RUBRA A. Nelson [no specimen located; reported from Connecticut] {Amaranthaceae}

SALIX DAPHNOIDES Villars [no specimen located; reported from Massachusetts] {Salicaceae}

SANVITALIA PROCUMBENS Lamarck [no voucher found of a population established in the wild; reported from Addison County, Vermont] {Asteraceae}

Saxifraga hyperborea R. Brown [no specimen located; reported from Mount Washington, New Hampshire] {Saxifragaceae}

SCABIOSA ATROPURPUREA Linnaeus [no specimen located; reported from Waldo County, Maine and Suffolk County, Massachusetts; voucher for the Suffolk County report has been more recently identified as probably *S. COLUMBARIA* Linnaeus] {Caprifoliaceae}

SCABIOSA COLUMBARIA Linnaeus [no voucher found of a population established in the wild; reported from Suffolk County, Massachusetts] {Caprifoliaceae}

SCHIZANTHUS PINNATUS Ruiz & Pavón [no voucher found of a population established in the wild; reported from Connecticut and Penobscot County, Maine] {Solanaceae}

SCHKUHRIA PINNATA (Lamarck) Kuntze *ex* Thellung [no voucher found of a population established in the wild; reported from Maine and Norfolk County, Massachusetts] {Asteraceae}

Schoenoplectus etuberculatus (Steudel) Soják [no specimen located; reported from Washington County, Rhode Island] {Cyperaceae}

SCHOENOPLECTUS X *KUEKENTHALIANUS* (Junge) D.H. Kent (*S. tabernaemontani* (C.C. Gmelin) Palla X *S. TRIQUETER* (Linnaeus) Palla) [no specimen located; reported from Vermont] {Cyperaceae}

SCUTELLARIA ALTISSIMA Linnaeus [no voucher found of a population established in the wild; reported from Suffolk County, Massachusetts] {Lamiaceae}

Scutellaria parvula Michaux var. *australis* Fassett [no specimen located; reported from southern Connecticut] {Lamiaceae}

SELINUM CARVIFOLIA (Linnaeus) Linnaeus [no specimen located; reported from Suffolk County, Massachusetts] {Apiaceae}

Senecio pseudoarnica Lessing [no specimen located; reported from Maine] {Asteraceae}

SENECIO SPARTIOIDES Torrey & A. Gray (*S. MULTICAPITATUS* Greenman) [no voucher found of a population established in the wild; reported from Worcester County, Massachusetts] {Asteraceae}

SENNA CORYMBOSA (Lamarck) H.S. Irwin & Barneby [no specimen located; reported from Massachusetts] {Fabaceae}

SERRATULA TINCTORIA Linnaeus [no specimen located; reported from Connecticut] {Asteraceae}

SHORTIA GALACIFOLIA Torrey & A. Gray var. *GALACIFOLIA* [no voucher found of a population established in the wild; reported from Worcester County, Massachusetts] {Diapensiaceae}

SIGESBECKIA ORIENTALIS Linnaeus [no specimen located; reported from Middlesex Co., Massachusetts, almost certainly based on the voucher for *S. JORULLENSIS* Kunth from the same county] {Asteraceae}

SILENE COELI-ROSA (Linnaeus) Godron [no voucher found of a population established in the wild; reported from Middlesex Co., Massachusetts] {Caryophyllaceae}

"*SILENE JAPONICA*" [based on erroneous listing of "*Silene japonica* (Swartz) Ohwi" instead of *Sagina japonica* (Swartz) Ohwi; reported from Norfolk County, Massachusetts] {Caryophyllaceae}

SILPHIUM INTEGRIFOLIUM Michaux var. *INTEGRIFOLIUM* [no voucher found of a population established in the wild; reported from Suffolk County, Massachusetts] {Asteraceae}

SIUM SISARUM Linnaeus [no voucher found of a population established in the wild; reported from Washington County, Rhode Island] {Apiaceae}

SMILAX BONA-NOX Linnaeus [voucher specimens have been re-identified as *S. rotundifolia* Linnaeus (Sorrie, 1987); reported from Nantucket County, Massachusetts] {Smilacaceae}

Smilax pulverulenta Michaux [voucher specimen has been re-identified as *S. herbacea* Linnaeus (A. Haines, pers. comm. 2010); reported from Washington County, Rhode Island] {Smilacaceae}

SOLANDRA GRANDIFLORA Swartz [no specimen located; reported from Connecticut and York County, Maine] {Solanaceae}

SOLIDAGO LEPIDA de Candolle var. *SALEBROSA* (Piper) Semple (*S. CANADENSIS* Linnaeus var. *SALEBROSA* (Piper) M.E. Jones) [no specimen located; reported from Maine] {Asteraceae}

Solidago X *beaudryi* B. Boivin (*S. rugosa* Miller X *S. uliginosa* Nuttall) [no specimen located; reported from Hancock County, Maine] {Asteraceae}

SORBUS ALNIFOLIA (Siebold & Zuccarini) K. Koch [no voucher found of a population established in the wild; reported from Suffolk County, Massachusetts] {Rosaceae}

SORBUS HYBRIDA Linnaeus (*Pyrus hybrida* (Linnaeus) Smith) [no voucher found of a population established in the wild; reported from Maine, Worcester County, Massachusetts, New Hampshire and Vermont] {Rosaceae}

SORBUS X *THURINGIACA*(Nyman) Schönach (*S. ARIA* (Linnaeus) Crantz X *S. AUCUPARIA* Linnaeus)) [no voucher found of a population established in the wild; reported from New Hampshire and Vermont] {Rosaceae}

SPERGULARIA DIANDRA (Gussone) Heldreich [identity of voucher in doubt; record is based on a specimen from Barnstable Co., Massachusetts (NEBC) cited by Ruth Rossbach in Rhodora 42:83 (1940) in which uncertainty of its identity is expressed. Rossbach annotated the herbarium sheet as "*Spergularia purpurea* (Persoon) G. Don ?" in 1937.] {Caryophyllaceae}

SPERGULARIA MEDIA (Linnaeus) C. Presl var. *MEDIA* (*S. MARITIMA* (Allioni) Chiovenda) [the identity of specimens labeled as this taxon is in question and will require examination; reported from Maine and Massachusetts. and specimens labeled as this from New Haven and Tolland Counties, Connecticut] {Caryophyllaceae}

SPERGULARIA PURPUREA (Persoon) G. Don [identity of voucher is in doubt; record from Barnstable County, Massachusetts is based on the same specimen cited as *S. DIANDRA* (Gussone) Heldreich, excluded as noted above] {Caryophyllaceae}

SPHAERALCEA FENDLERI A. Gray subsp. *FENDLERI* [voucher specimens are misidentified *S. MENDOCINA* (Philippi) K. Schumann; reported from Middlesex and Worcester Counties, Massachusetts] {Malvaceae}

Sphenopholis X *pallens* (Biehler) Scribner (*pro species*) (*S. obtusata* (Michaux) Scribner X *S. pensylvanica* (Linnaeus) Hitchcock) [no specimen located; due to old usage of the name, specimens identified prior to 1950 are *S. intermedia* (Rydberg) Rydberg; reported from Suffolk County, Massachusetts] {Poaceae}

SPIRAEA CORYMBOSA Rafinesque [no voucher found of a population established in the wild; reported from Massachusetts] {Rosaceae}

SPIRAEA NIPPONICA Maximowicz [no voucher found of a population established in the wild; reported from Worcester Co., Massachusetts] {Rosaceae}

SPIRAEA SALICIFOLIA Linnaeus [no specimen located; due to old usage of the name, specimens identified before 1950 are either *S. alba* Du Roi var. *alba* or *S. alba* var. *latifolia* (Aiton) Dippel; reported from Vermont] {Rosaceae}

Spiranthes X *borealis* P.M. Brown (*S. casei* Catling & Cruise X *S. ochroleuca* (Rydberg) Rydberg) [no specimen located; reported from New Hampshire and Vermont] {Orchidaceae}

SPOROBOLUS INDICUS (Linnaeus) R. Brown var. *INDICUS* [no specimen located; reported from York County, Maine] {Poaceae}

SPOROBOLUS JUNCEUS (P. de Beauvois) Kunth [no specimen seen; reported from Litchfield County, Connecticut] {Poaceae}

SPOROBOLUS NEALLEYI Vasey [no specimen located; reported from York County, Maine] {Poaceae}

STACHYS CLINGMANII Small [no specimen located; reported from Vermont] {Lamiaceae}

STACHYS OFFICINALIS (Linnaeus) Trevisan [no voucher found of a population established in the wild; reported from Middlesex County, Massachusetts] {Lamiaceae}

STELLARIA LONGIPES Goldie subsp. *LONGIPES* [no specimen located; reported from Maine] {Caryophyllaceae}

STELLARIA PALUSTRIS Ehrhart *ex* Hoffmann [no voucher found of a population established in the wild; reported from Knox Co., Maine] {Caryophyllaceae}

STUCKENIA X *FENNICA* (Hagström) Holub (*S. filiformis* (Persoon) Börner X *S. VAGINATA* (Turczaninow) Holub) [no specimen located; reported from Maine and Vermont] {Potamogetonaceae}

Stuckenia X *suecica* (K. Richter) Holub (*S. filiformis* (Persoon) Börner X *S. pectinata* (Linnaeus) Börner) [no specimen located; reported from Addison County, Vermont] {Potamogetonaceae}

STYRAX JAPONICUS Siebold & Zuccarini [no voucher found of a population established in the wild; reported from Fairfield County, Connecticut] {Styracaceae}

SUCCISA PRATENSIS Moench [no voucher found of a population established in the wild; reported from Essex County, Massachusetts] {Caprifoliaceae}

SYMPHYOTRICHUM LANCEOLATUM (Willdenow) G.L. Nesom var. *HIRSUTICAULE* (Semple & Chmielewski) G.L. Nesom (*ASTER LANCEOLATUS* Willdenow var. *HIRSUTICAULIS* Semple & Chmielewski) [no specimen located; reported from Massachusetts, apparently from incorrect reading of a checklist] {Asteraceae}

Symphyotrichum novi-belgii (Linnaeus) G.L. Nesom var. *crenifolium* (Fernald) Labrecque & Brouillet (Aster crenifolius (Fernald) Cronquist) [no specimen located; reported from Maine, New Hampshire and Vermont] {Asteraceae}

Symphyotrichum phlogifolium (Muhlenberg *ex* Willdenow) G.L. Nesom (*Aster patens* Aiton var. *phlogifolius* (Muhlenberg *ex* Willdenow) Nees) [no specimen located; reported from Connecticut, Massachusetts, and Rhode Island] {Asteraceae}

SYRINGA JOSIKAEA J. Jacquin *ex* Reichenbach [no voucher found of a population established in the wild; reported from Berkshire County, Massachusetts] {Oleaceae}

T

TAMARIX GALLICA Linnaeus [no specimen located; reported from Suffolk County, Massachusetts] {Tamaricaceae}

TARAXACUM CERATOPHORUM (Ledebour) de Candolle [no specimen located; reported from Massachusetts and New Hampshire] {Asteraceae}

THERMOPSIS MOLLIS (Michaux) M.A. Curtis [specimens from New England with this name are misidentified *T. VILLOSA* (Walter) Fernald & B.G. Schubert] {Fabaceae}

THERMOPSIS MONTANA Nuttall var. *MONTANA* [voucher specimen from Androscoggin County, Maine is misidentified *T. VILLOSA* (Walter) Fernald & B.G. Schubert] {Fabaceae}

THINOPYRUM INTERMEDIUM (Host) Barkworth & D.R. Dewey subsp. *BARBULATUM* (Schur) Barkworth & D.R. Dewey (*AGROPYRON TRICHOPHORUM* (Link) K. Richter) [no voucher found of a population established in the wild; reported from Essex County, Massachusetts] {Poaceae}

TILIA PETIOLARIS de Candolle [no voucher found of a population established in the wild; reported from Fairfield County, Connecticut and Suffolk County, Massachusetts] {Malvaceae}

TRIBULUS TERRESTRIS Linnaeus [no specimen located; reported in wool waste from Worcester County, Massachusetts] {Zygophyllaceae}

TRIFOLIUM CAROLINIANUM Michaux [no specimen located; reported from Chittenden County, Vermont] {Fabaceae}

TRIFOLIUM FRAGIFERUM Linnaeus [no specimen located; reported from Lamoille County, Vermont] {Fabaceae}

TRIFOLIUM GLOMERATUM Linnaeus [no specimen located; reported from Worcester County, Massachusetts] {Fabaceae}

TURGENIA LATIFOLIA (Linnaeus) Hoffmann [no specimen located; reported from Providence County, Rhode Island] {Apiaceae}

U

URTICA CHAMAEDRYOIDES Pursh [no specimen located; reported from Massachusetts] {Urticaceae}

Utricularia striata Leconte *ex* Torrey (U. fibrosa misapplied) [no specimen located; reported from Hartford County, Connecticut, Barnstable County, Massachusetts, and Rhode Island] {Lentibulariaceae}

V

Veratrum latifolium (Desrousseaux) Zomlefer (*Melanthium hybridum* misapplied) [no specimen located; reported from Fairfield County, Connecticut] {Melanthiaceae}

VERNONIA GLAUCA (Linnaeus) Willdenow [no specimen located; reported from Bristol County, Massachusetts] {Asteraceae}

VERONICA HEDERIFOLIA Linnaeus [no voucher found of a population established in the wild; reported from Connecticut, and Newport County, Rhode Island] {Plantaginaceae}

VICIA SEPIUM Linnaeus var. *MONTANA* W.D.J. Koch [no specimen located; reported from York County, Maine] {Fabaceae}

VIOLA BICOLOR Pursh (*V. KITAIBELIANA* Schultes var. *RAFINESQUII* (Greene) Fernald; *V. RAFINESQUII* Greene {sometimes as "*RAFINESQUEI*"}) [no voucher found of a population established in the wild; reported from Connecticut, Massachusetts, and Rhode Island] {Violaceae}

VIOLA CANINA Linnaeus [prior to 1908 this name was misapplied to *V. adunca* Smith and *V. labradorica* Schrank and has not been corrected on many of these old specimens] {Violaceae}

VIOLA JAPONICA Langsdorff & Gingins [no voucher found of a population established in the wild; reported from Middlesex County, Massachusetts] {Violaceae}

VIOLA SEPTEMLOBA Leconte [no specimen located; reported from Fairfield County, Connecticut, and Washington County, Rhode Island] {Violaceae}

Viola X *consocia* House (*V. affinis* Leconte X *V. cucullata* Aiton) [no specimen located; reported from Connecticut and Vermont] {Violaceae}

Viola X *cordifolia* (Nuttall) Schweinitz (*pro species*) (*V. hirsutula* Brainerd X *V. sororia* Willdenow) [no specimen located; reported from Connecticut] {Violaceae}

Viola X *eamesii* House (*V. brittoniana* Pollard X *V. palmata* Linnaeus var. *palmata*) [no specimen located; reported from Connecticut] {Violaceae}

Viola X *napae* House (*V. nephrophylla* Greene X *V. sororia* Willdenow) [no specimen located; reported from Vermont] {Violaceae}

VIOLA X *WITTROCKIANA* Gams *ex* Nauenberg & Buttler (*V. ALTAICA* Ker Gawler X (*V. LUTEA* Hudson or *V. TRICOLOR* Linnaeus)) [no voucher found of a population established in the wild; reported from Worcester County, Massachusetts] {Violaceae}

BIBLIOGRAPHY

(some cited books are also included in References)

Ahles, H.E. 1974. *Trillium* L. (*Trillium*) in eastern North America. Lilies and other Liliaceae 1974: 56-67.

Aiken, S.G. and S.J. Darbyshire. 1990. Fescue Grasses of Canada. Agriculture Canada, Ottawa.

Al-Shehbaz, I.A. and B.G. Schubert. 1989. The Dioscoreaceae in the southeastern Untied States. J. Arnold Arbor. 70: 57-95.

Allred, K.W. 1984. Morphologic variation and classification of the North American *Aristida* purpurea complex (Gramineae). Brittonia 36: 382-395.

---. 1986. Studies in the genus *Aristida* (Gramineae) of the southeastern United States. IV. Key and conspectus. Rhodora 88: 367-388.

Anderson, D.E. 1961. Taxonomy and distribution of the genus *Phalaris*. Iowa State J. Sci. 36: 1-96.

---. 1974. Taxonomy of the genus *Chloris* (Gramineae). Brigham Young Univ. Sci. Bull. Biol. 19(2). 133pp.

Angelo, R. and D.E. Boufford. 1996. Atlas of the flora of New England: Pteridophytes and gymnosperms. Rhodora 98: 1-79.

--- and ---. 1998. Atlas of the flora of New England: Poaceae. Rhodora 100: 101-233.

--- and ---. 2000. Atlas of the flora of New England: Monocots except Poaceae and Cyperaceae. Rhodora 102: 1-119.

--- and ---. 2007. Atlas of the flora of New England: Cyperaceae. Rhodora 109: 237-360.

--- and ---. 2010. Atlas of the flora of New England: Magnoliidae & Hamamelidae. Rhodora 112: 244-326.

--- and ---. 2011a. Atlas of the flora of New England: Salicaceae to Brassicaceae. Phytoneuron 2011-12: 1-12 + figs. 1-53 (maps).

--- and ---. 2011b. Atlas of the flora of New England: Paeoniaceae to Ericaceae. Phytoneuron 2011-53: 1-13 + figs. 1-18 (maps).

--- and ---. 2012a. Atlas of the flora of New England: Caryophyllidae. Rhodora 113: 419-513.

--- and ---. 2012b. Atlas of the flora of New England: Asteraceae. Phytoneuron 2012-34: 1-39 + figs. 1-56 (maps).

--- and ---. 2012c. Atlas of the flora of New England: Rosaceae. Phytoneuron 2012-81: 1-25 + figs. 1-31 (maps).

--- and ---. 2013a. Atlas of the flora of New England: Fabaceae. Phytoneuron 2013-2: 1-15 + figs. 1-21 (maps)

--- and ---. 2013b. Atlas of the flora of New England: Families of vols. 6 & 14: Flora of North America. Phytoneuron 2013-45: 1–23 + figs. 1-30 (maps).

--- and ---. 2014a. Atlas of the flora of New England: Families of vols. 17 & 18: Flora of North America. Phytoneuron 2014-21: 1–24 + figs. 1-32 (maps).

--- and ---. 2014b. Atlas of the flora of New England: Families of vols. 9-13 and 15-15 (except Fabaceae & Rosaceae) of the Flora of North America series. Phytoneuron 2014-98: 1–43 + map pages 1–60.

Arnow, L.A. 1994. *Koeleria macrantha* and *K. pyramidata* (Poaceae): Nomenclatural problems and biological distinctions. Syst. Bot. 19: 6-20.

Baldini, R.M. 1995. Revision of the genus *Phalaris* L. (Gramineae). Webbia 49: 265-329.

Banks, D.J. 1966. Taxonomy of Paspalum *setaceum* (Gramineae). Sida 2: 269-284.

Barkworth, M.E. and R.J. Atkins. 1984. *Leymus* Hochst. (Gramineae: Triticeae) in North America: taxonomy and distribution. Amer. J. Bot. 71: 609-625.

Baum, B.R. 1968. Oats: Wild and cultivated. A monograph of the genus *Avena* L. (Poaceae). Monogr. Res. Branch Canada Dept. Agric. 14. Ottawa.

--- and L.G. Bailey. 1986. Taxonomy of the North and South American species of *Hordeum* section *Hordeastrum*. Canad. J. Bot. 64: 1745-1759.

--- and ---. 1990. Key and synopsis of North American *Hordeum* species. Canad. J. Bot. 68: 2433-2442.

--- and J.N. Findlay. 1973. Preliminary studies in the taxonomy of *Danthonia* in Canada. Canad. J. Bot. 51: 437-450.

Berg, R.Y. 1962. Morphology and taxonomic position of *Medeola*, Liliaceae. Skr. Norske Vidensk.-Akad. Oslo, Mat.-Naturvidensk. Kl., Ny Serie 3: 1-55.

Blackwell Jr., W.H. and K.P. Blackwell. 1974. The taxonomy of *Peltandra* (Araceae). J. Elisha Mitchell Sci. Soc. 90: 137-140.

Blanchard, J.W. 1994. *Narcissus* -- A Guide to Wild Daffodils. RHS Enterprises Ltd., Surrey, UK.

Blasdell, R. F. 1963. A monographic study of the fern genus *Cystopteris*. Mem. Torrey Bot. Club 21(4): 1-102.

Bogin, C. 1955. Revision of the genus *Sagittaria* (Alismataceae). Mem. New York Bot. Gard. 9: 179-233.

Bowden, W.M. 1959. The taxonomy and nomenclature of the wheats, barleys and ryes and their wild relatives. Canad. J. Bot. 37: 657-684.

---. 1962. Cytotaxonomy of the native and adventive species of *Hordeum*, *Eremopyrum*, *Secale*, *Sitanion*, and *Triticum* in Canada. Canad. J. Bot. 40: 1675-1711.

---. 1964. Cytotaxonomy of the species and interspecific hybrids of the genus *Elymus* in Canada and neighboring areas. Canad. J. Bot. 42: 547-601.

---. 1965. Cytotaxonomy of the species and interspecific hybrids of the genus *Agropyron* in Canada and neighboring areas. Canad. J. Bot. 43: 1421-1448.

Brackley, F.E. 1985. The orchids of New Hampshire. Rhodora 87: 1-117.

Brandenburg, D.M., W.H. Blackwell and J.W. Thieret. 1991. Revision of the genus *Cinna* (Poaceae). Sida 14: 581-596.

Brashier, C.K. 1966. A revision of *Commelina* (Plum.) L. in the U.S.A. Bull. Torrey Bot. Club 93: 1-19.

Briggle, L.W. and L.P. Reiz. 1963. Classification of *Triticum* species and wheat varieties grown in the United States. Tech. Bull. U.S.D.A. 1278.

Britton, D.M. 1991. A hybrid *Isoëtes*, *I.* x *harveyi* in northeastern North America. Canad. J. Bot. 69: 634-640.

Brooks, R.E. 1989. A revision of *Juncus* subgenus *Poiophylli* (Juncaceae) in the eastern United States. Univ. Microfilms Internatl., Ann Arbor, MI.

Brown, D.F.M. 1964. A monographic study of the fern genus *Woodsia*. Beih. Nova Hedwigia 16: 1-154.

Brown, P.M. 1997. Wild Orchids of the Northeastern United States. Comstock Publishing Associates, Ithaca, NY.

Browning, J., K.D. Gordon-Gray, and S.G. Smith. 1995. Achene structure and taxonomy of North American *Bolboschoenus* (Cyperaceae). Brittonia 47: 433-445.

Bruce, J.G. 1975. Systematics and Morphology of Subgenus *Lepidotus* of the Genus *Lycopodium* (Lycopodiaceae). Ph.D. thesis. Univ. of Michigan, Ann Arbor, Michigan.

Brunton, D.F. and D.M. Britton. 1993. *Isoëtes prototypus* (ISOËTACEAE) in the United States. Rhodora 95: 122-128.

Bryson, C.T. 1980. A revision of the North American *Carex* Sect. *Laxiflorae* (Cyperaceae). Ph.D. dissertation. Mississippi State Univ., Starkville, MS.

Campbell, C.S. 1985. The subfamilies and tribes of Gramineae (Poaceae) in the southeastern United States. J. Arnold Arbor. 66: 123-199.

Carlson, T.J. and W.H. Wagner, Jr. 1982. The North American distribution of the genus *Dryopteris*. Contr. Univ. Michigan Herb. 15: 141-162.

Carter, J.R. and S.D. Jones. 1997. Notes on the *Cyperus retroflexus* complex (Cyperaceae) with three nomenclatural references. Rhodora 99: 319-334.

Catling, P.M. 1991. Systematics of *Malaxis* bayardii and M. unifolia. Lindleyana 6(1): 3-23.

---, A.A. Reznicek, and W.J. Crins, eds. 1990. Systematics and ecology of the genus *Carex* (Cyperaceae). Canad. J. Bot. 68: 1405-1472.

Cayouette, J. and P.M. Catling. 1992. Hybridization in the genus *Carex* with special reference to North America. Bot. Rev. (Lancaster) 58: 351-438.

--- and P. Morisset. 1985. Chromosome studies on natural hybrids between maritime species of *Carex* (sections *Phacocystis* and *Cryptocarpae*) in northeastern North America, and their taxonomic implications. Canad. J. Bot. 63: 1957-1982.

--- and ---. 1986a. Chromosome studies on the *Carex salina* complex (Cyperaceae, section *Cryptocarpae*) in northeastern North America. Cytologia 51: 817-856.

--- and ---. 1986b. Chromosome studies on *Carex paleacea* Wahl, *C. nigra* (L.) Reichard, and *C. aquatilis* Wahl. in northeastern North America. Cytologia 51: 857-883.

Chadwick, L.C. and R.A. Keen. 1976. A study of the genus *Taxus*. Ohio Agric. Exp. Sta. Bull. 1086. Wooster, Ohio.

Chrtek, J. and V. Jirásek. 1963. On the taxonomy of the genus "*Trisetum*" Pers. Webbia 17: 569-580.

Chung. K.S. 2008. A Systematic Study of the Genus *Agrimonia* (Rosaceae). Ph.D. thesis. Univ. of Oklahoma, Norman, Oklahoma.

Church, G.L. 1967. Taxonomic and genetic relationships of eastern North American species of *Elymus* with setaceous glumes. Rhodora 69: 121-162. (link)

Clausen, R.T. 1938. A monograph of the Ophioglossaceae. Mem. Torrey Bot. Club 19: 1-177.

Clayton, W.D. and S.A. Renvoize. 1986. Genera graminum: grasses of the world. Kew Bull. Add. Ser. 13.

Cody, W.J. and D.M. Britton. 1989. Ferns and Fern Allies of Canada. Agric. Can. Pub. 1829, Ottawa.

Coffmann, F.A. 1977. Oat history, identification, and classification. Tech. Bull. U.S.D.A. 1516.

Cook, C.D.K. 1966. A monographic study of *Ranunculus* subgenus *Batrachium* (DC) A. Gray. Mitt. Bot. Staatssamml. München. 6: 47-237.

--- and K. Urmi-König. 1984. A revision of *Egeria* (Hydrocharitaceae). Aquatic Bot. 19: 73-96.

--- and ---. 1985. A revision of the genus *Elodea* (Hydrocharitaceae). Aquatic Bot. 21: 111-156.

--- and M.S. Nicholls. 1986. A monographic study of the genus *Sparganium* (Sparganiaceae). Part 1. Subgenus *Xanthosparganium* Holmberg. Bot. Helv. 96: 213-267.

--- and ---. 1987. A monographic study of the genus *Sparganium* (Sparganiaceae). Part 2. Subgenus *Sparganium* Holmberg. Bot. Helv. 97: 1-44.

Correll, D.S. 1950. Native Orchids of North America North of Mexico. Chronica Botanica Company, Waltham, MA.

Cranfill, R. 1983. The distribution of *Woodwardia areolata*. Amer. Fern J. 73: 46-52.

--- and D.M. Britton. 1983. Typification within the *Polypodium virginianum* complex (Polypodiaceae). Taxon 32: 557-560.

Crins, W.J. 1991. The genera of Paniceae (Gramineae: Panicoideae) in the southeastern United States. J. Arnold Arbor. Suppl. Ser. 1: 171-312.

--- and P.W. Ball. 1983. The taxonomy of the *Carex pensylvanica* complex (Cyperaceae) in North America. Canad. J. Bot. 61: 1692-1717.

--- and ---. 1987. Variation in *Carex hostiana* (Cyperaceae). Rhodora 89: 247-259. (link)

--- and ---. 1989a. Taxonomy of the Carex *flava* complex (Cyperaceae) in North America and northern Eurasia. I. Numerical taxonomy and character analysis. Canad. J. Bot. 67: 1032-1047.

--- and ---. 1989b. Taxonomy of the *Carex flava* complex (Cyperaceae) in North America and northern Eurasia. II. Taxonomic treatment. Canad. J. Bot. 67: 1048-1065.

Critchfield, W.B. and E.L. Little Jr. 1966. Geographic Distribution of the Pines of the World. U.S.D.A. Misc. Pub. 991, Washington, D. C.

Crow, G.E. and C.B. Hellquist. 1981. Aquatic Vascular Plants of New England: Part 2. Typhaceae and Sparganiaceae. New Hampshire Agric. Exp. Sta. Bull. 517., Durham, NH.

--- and ---. 1982. Aquatic Vascular Plants of New England: Part 4. Juncaginaceae, Scheuchzeriaceae, Butomaceae, Hydrocharitaceae. New Hampshire Agric. Exp. Sta. Bull. 520, Durham, NH.

Darbyshire, S.J. 1993. Realignment of *Festuca* subgenus *Schedonorus* with the genus *Lolium* (Poaceae). Novon 3: 239-243.

--- and J. Cayouette. 1995. Identification of the species in the *Panicum capillare* complex (Poaceae) from eastern Canada and adjacent New York State. Canad. J. Bot. 73: 333-348.

Daubs, E.H. 1965. A Monograph of Lemnaceae. The Univ. of Illinois Press, Urbana, IL.

Davidse, G. 1994. Eragrostis Wolf, pp. 263-272. In: G. Davidse, M. Sousa S., and A.O. Chater, gen. eds., Flora Mesoamericana. Vol. 6. Alismataceae a Cyperaceae. Universidad Nacional Autónoma de México, Instituto de Biologiá, México, D.F. [with Missouri Botanical Garden and The Natural History Museum, London].

Davis, H.A. 1990. Studies in *Rubus*. Castanea 55: 22–30.

---, A.M. Fuller and T. Davis. 1967. Contributions toward the revision of the *Eubati* of Eastern North America. Castanea 32: 20–37.

---, --- and ---. 1968a. Contributions toward the revision of the *Eubati* of Eastern North America. II. Setosi. Castanea 33: 50–76.

---, --- and ---. 1968b. Contributions toward the revision of the *Eubati* of Eastern North America. III. Flagellares. Castanea 33: 206–241.

---, --- and ---. 1969a. Contributions toward the revision of the *Eubati* of Eastern North America. IV. Castanea 34: 157–179.

---, --- and ---. 1969b. Contributions toward the revision of the *Eubati* of Eastern North America. V. Arguti. Castanea 34: 235–266.

---, --- and ---. 1970. Contributions toward the revision of the *Eubati* of Eastern North America. VI. Cuneifolii. Castanea 35: 176–194.

---, --- and ---. 1982. Some comments on *Rubus*. Castanea 47: 216–219.

Davis, J.I. 1990. A note on North American *Torreyochloa* (Poaceae), including a new combination. Phytologia 70: 361-365.

Delahoussaye, A.J. and J.W. Thieret. 1967. *Cyperus* subgenus *Kyllinga* (Cyperaceae) in the continental United States. Sida 3: 128-136.

DeLisle, D.G. 1963. Taxonomy and distribution of the genus *Cenchrus*. Iowa State J. Sci. 37: 259-351.

de Wet, J.M.J. 1978. Systematics and evolution of *Sorghum* sect. *Sorghum* (Gramineae). Amer. J. Bot. 85: 477-484.

Dibble, A.C. and C.S. Campbell. 2001. Conservation status of *Carex oronensis* (Cyperaceae), a Maine endemic. Rhodora 103: 351-379. (link)

Dickinson, T.A., E. Lo, and N. Talent. 2007. Polyploidy, reproductive biology, and Rosaceae: understanding evolution and making classifications. Plant Systematics and Evolution 266: 59–78.

Dore, W.G. and J. McNeill. 1980. Grasses of Ontario. Research Branch, Agriculture Canada, Hull, Canada.

Dunlop, D.A. and G.E. Crow. 1999. The taxonomy of *Carex* section Scirpinae (Cyperaceae). Rhodora 101: 163-199.

Ebinger, J.E. 1962. The varieties of *Luzula acuminata*. Rhodora 64: 74-83.

---. 1964. Taxonomy of the subgenus *Pterodes*, genus *Luzula*. Mem. New York. Bot. Gard. 10(5): 279-304.

Enser, R.W. and C.A. Caljouw. 1989. Plant Conservation concerns in Rhode Island - a reappraisal. Rhodora 91: 121-130.

Erdman, K.S. 1965. Taxonomy of the genus *Sphenopholis* (Gramineae). Iowa State J. Sci. 39: 289-336.

Farjon, A. 1990. A Bibliography of Conifers. Königstein. Regnum Veg. 122:1-129.

Farrar, D.R. 1992. *Trichomanes intricatum*: The independent *Trichomanes* gametophyte in the eastern United States. Amer. Fern J. 82: 68-74.

Fassett, N.C. 1957. A Manual of Aquatic Plants. McGraw-Hill Book Company, Inc., with Revision Appendix by E. C. Ogden. Univ. of Wisconsin Press, Madison, Milwaukee, London.

Fernald, M.L. 1932. The linear-leaved North American species of *Potamogeton*, section *Axillares*. Mem. Amer. Acad. Arts. 17: 1-183.

Findlay, J.N. and B.R. Baum. 1974. The nomenclatural implications of the taxonomy of *Danthonia* in Canada. Canad. J. Bot. 52: 1573-1582.

Franco, J.D.A. 1962. Taxonomy of the common juniper. Bol. Soc. Brot., ser. 2a, 36: 107-120.

Freckmann, R.W. 1978. New combinations in *Dichanthelium* (Poaceae). Phytologia 39: 268-272.

Furlow, J.J. 1979. The systematics of the American species of *Alnus* (Betulaceae). Rhodora 81: 1-121, 151-248.

---. 1987. The *Carpinus caroliniana* complex in North America. II. Syst. Bot. 12: 416-434.

Gastony, G.J. 1988. The *Pellaea glabella* complex: Electrophoretic evidence for the derivations of the agamosporous taxa and a revised synonymy. Amer. Fern J. 78: 44-67.

Gilman, A.V. 1999. The vascular flora of Caledonia County, Vermont. Rhodora 101: 360-418.

Godfrey, R.K. and J.W. Wooten. 1979. Aquatic and Wetland Plants of Southeastern United States. Monocotyledons. Univ. of Georgia Press, Athens, GA.

Goetghebeur, P. 1998. Cyperaceae. pp. 141-190. In: K. Kubitzki et al., eds. The Families and Genera of Vascular Plants. Vol. 4. Springer-Verlag, Berlin, Heidelberg, and New York.

--- and A. Van den Borre. 1989. Studies in Cyperaceae: 8. A revision of *Lipocarpha*, including *Hemicarpha* and *Rikliella*. Wageningen Agric. Univ. Pap. 89(1): 1-87.

Goldblatt, P. and D.E. Johnson, eds. 1979-. Index to Plant Chromosome Numbers (IPCN). Missouri Botanical Garden, St. Louis, MO.

González-Elizondo, M.S. and J.A. Tena-Flores. 2000. *Eleocharis* (Cyperaceae) in the New World. pp. 637-643. In: K.L. Wilson and D.A. Morrison, eds. Monocots: Systematics and Evolution. CSIRO Publishing, Melbourne, Australia.

Gordon, A.G. 1976. The taxonomy and genetics of *Picea rubens* and its relationship to *Picea mariana*. Canad. J. Bot. 54: 781-813.

Gould, F.W. 1979. The genus *Bouteloua* (Poaceae). Ann. Missouri Bot. Gard. 66: 348-416.

---, M.A. Ali and D.E. Fairbrothers. 1972. A revision of *Echinocloa* in the United States. Amer. Midl. Naturalist 87: 36-59.

--- and C.A. Clark. 1978. *Dichanthelium* (Poaceae) in the United States and Canada. Ann. Missouri Bot. Gard. 65: 1088-1132.

Greene, C.W. 1980. The systematics of *Calamagrostis* (Gramineae) in eastern North America. Ph.D. dissertation. Harvard Univ., Cambridge, MA.

---, L.L. Gregory, G.H. Mittelhauser, S.C. Rooney, and J.E. Weber. 2005. Vascular flora of the Acadia National Park region, Maine. Rhodora 107: 117-185.

Haines, A., A. Cutko, and D. Sperduto. 2004. Records for *Carex rostrata* (Cyperaceae) in New England. Rhodora 106: 287-290.

Hall, M.T. 1952. Variation and hybridization in *Juniperus*. Ann. Missouri Bot. Gard. 39: 1-64.

Hämet-Ahti, L. 1971. A synopsis of the species *Luzula*, subgenus *Anthelaea* Griseb. (Juncaceae) indigenous in North America. Ann. Bot. Fenn. 8: 368-381.

---. 1980. The *Juncus effusus* aggregate in eastern North America. Ann. Bot. Fenn. 17: 183-191.

Haufler, C.H. and Z.R. Wang. 1991. Chromosomal analyses and the origin of allopolyploid *Polypodium virginianum*. Amer. J. Bot. 78: 624-629.

--- and M.D. Windham. 1991. A new species of North American *Cystopteris* and *Polypodium*, with comments on their reticulate relationships. Amer. Fern J. 81: 7-23.

Hauke, R.L. 1963. A taxonomic monograph of *Equisetum* subgenus *Hippochaete*. Beih. Nova Hedwigia 8: 1-123.

---. 1966. A systematic study *Equisetum arvense*. Nova Hedwigia 13: 81-109.

---. 1978. A taxonomic monograph of *Equisetum* subgenus *Equisetum*. Nova Hedwigia 30: 385-455.

Haynes, R.R. 1974. A revision of North American *Potamogeton* subsection Pusilli (Potamogetonaceae). Rhodora 76: 564-649.

---. 1977. The Najadaceae in the southeastern United States. J. Arnold Arbor. 58: 161-170.

---. 1978. The Potamogetonaceae in the southeastern United States. J. Arnold Arbor. 59: 170-191.

---. 1979. Revision of North and Central American *Najas* (Najadaceae). Sida 8: 34-56.

---. 1985. A revision of the clasping-leaved *Potamogeton* (Potamogetonaceae). Sida 11: 173-188.

--- and L. B. Holm-Nielsen. 1987. The Zannichelliaceae in the southeastern United States. J. Arnold Arbor. 68: 259-268.

Hellquist, C.B. and G.E. Crow. 1980. Aquatic Vascular Plants of New England: Part 1. Zosteraceae, Potamogetonaceae, Zannichelliaceae, Najadaceae. New Hampshire Agric. Exp. Sta. Bull. 515, Durham, NH.

--- and ---. 1981. Aquatic Vascular Plants of New England: Part 3. Alismataceae. New Hampshire Agric. Exp. Sta. Bull. 518, Durham, NH.

--- and ---. 1982. Aquatic Vascular Plants of New England: Part 5. Araceae, Lemnaceae, Xyridaceae, Eriocaulaceae, and Pontederiaceae. New Hampshire Agric. Exp. Sta. Bull. 523, Durham, NH.

--- and ---. 1984. Aquatic Vascular Plants of New England: Part 7. Cabombaceae, Nymphaeaceae, Nelumbonaceae, and Ceratophyllaceae. New Hampshire Agric. Exp. Sta. Bull., Durham, New Hampshire.

Hendricks, A.J. 1957. A revision of the genus *Alisma* (Dill) L. Amer. Midl. Naturalist 58: 470-493.

Henrard, J.T. 1950. Monograph of the Genus *Digitaria*. Universitaire Pers Leiden, Leiden, Germany.

Hewitson, W. 1962. Comparative morphology of the Osmundaceae. Ann. Missouri Bot. Gard. 49: 57-93. (link)

Hickey, R.J. 1977. The *Lycopodium obscurum* complex in North America. Amer. Fern J. 67: 45-49.

---. 1980. New England fern allies, Ophioglossaceae, Hymenophyllaceae, and Marsileaceae. Rhodora 82: 599-607.

---. 1986. *Isoëtes* megaspore surface morphology: Nomenclature, variation, and systematic importance. Amer. Fern J. 76: 1-16.

---, W.C. Taylor, and N.T. Luebke. 1989. The species concept in pteridophyta with special reference to *Isoëtes*. Amer. Fern J. 79: 78-89.

Hodgdon, A.R., G.E. Crow and F.L. Steele. 1979. Grasses of New Hampshire I. Tribes Poeae (Festuceae) and Triticeae (Hordeae). New Hampshire Agric. Exp. Sta. Bull. 512. Durham, NH.

--- and F.L. Steele. 1958. The Woody Plants of New Hampshire. Agricultural Experiment Station, Bulletin 447. Univ. of New Hampshire. Durham, New Hampshire.

--- and ---. 1966. *Rubus* Subgenus *Eubatus* in New England. Rhodora 68: 474–513.

Holub, J. 1975. *Diphasiastrum*, a new genus in Lycopodiaceae. Preslia 14: 97-100.

Horn, C.N. 1987. A systematic revision of the genus *Heteranthera* (sensu lato, Pontederiaceae). Ph. D. dissertation, Univ. Alabama, University, AL.

Ihara, M.A. and K.Ihara. 1978. A biosystematic study on the pedicellate-flowered species of the North American *Trillium*. (1) Geographical distribution of major groups and their gynoecium norms. J. Geobot. 25: 139-172.

Jacobs, B.F., C.R. Werth, and S.I. Guttman. 1984. Genetic relationships in *Abies* (fir) of eastern United States: An electrophoretic study. Canada J. Bot. 62: 609-616.

Janssen, S. (ed.). 2013. The World Almanac and Book of Facts. World Almanac Books, New York.

Jenkins, J. and P.F. Zika. 1995. Contributions to the flora of Vermont. Rhodora 97: 291-327. (link)

Ji, S., K. Huo, J. Wang, and S. Pan. 2008. A molecular phylogenetic study of Huperziaceae based on chloroplast rbcL and psbA-trnH sequences. J. Syst. Evol. 46: 213-219.

Johnson, R.G. 1969. A taxonomic and floristic study of Liliaceae and allied families in the southeastern United States. Ph.D. dissertation, West Virginia Univ., Morgantown, WV.

Kato, M. 1980. A new combination in *Athyrium* (Athyriaceae) of North America. Ann. Carnegie Mus. 49: 177-179.

--- and D. Darnaedi. 1988. Taxonomic and phytogeographic relationships of *Diplazium flavoviride*, *D. pycnocarpon*, and *Diplaziopsis*. Amer. Fern J. 78: 77-85.

Kelly, L.M. 2001. Taxonomy of Asarum Section *Asarum* (Aristolochiaceae). Syst. Bot. 26: 17-53.

Kessler, J.W. 1987. A treatment of *Scleria* (Cyperaceae) for North America north of Mexico. Sida 12: 391-407.

Kirschner, J. 1990. *Luzula multiflora* and allied species (Juncaceae): A nomenclatural study. Taxon 39(1): 106-114.

Kline, G.J. and P. Sørensen. 2008. A revision of *Agrimonia* (Rosaceae) in North and Central America. Brittonia 60: 11–33.

Kott, L.S. 1981. *Isoëtes* acadiensis, a new species from eastern North America. Canad. J. Bot. 59: 2592-2594.

--- and D.M. Britton. 1980. Chromosome Numbers for *Isoëtes* in Northeastern America. Canad. J. Bot. 58: 980-984.

--- and D.M. Britton. 1983. Spore morphology and taxonomy of *Isoëtes* in northeastern North America. Canad. J. Bot. 61: 3140-3163.

Koyama, T. and S. Kawano. 1964. Critical taxa of grasses with North American and eastern Asian distribution. Canad. J. Bot. 42: 859-884.

Kral, R. 1966a. *Xyris* (Xyridaceae) of the continental United States and Canada. Sida 2: 177-260.

---. 1966b. Eriocaulaceae of continental North America north of Mexico. Sida 2: 285-332.

---. 1971. A treatment of *Abildgaardia*, *Bulbostylis* and *Fimbristylis* (Cyperaceae) for North America. Sida 4: 57-227.

---. 1978. A synopsis of *Fuirena* (Cyperaceae) for the Americas north of South America. Sida 7: 309-354.

---. 1983. The Xyridaceae in the southeastern United States. J. Arnold Arbor. 64: 421-429.

---. 1989. The genera of Eriocaulaceae in the southeastern United States. J. Arnold Arbor. 70: 131-142.

Kruschke, E.P. 1965. Contributions to the Taxonomy of *Crataegus*. Milwaukee Public Museum, Publications in Botany (Number 3), Milwaukee, Wisconsin.

Landolt, E. 1980. Biosystematic investigations in the family of duckweeds (Lemnaceae), Vol. 1. Key to the determination of taxa within the family of Lemnaceae. Veröff. Geobot. Inst. ETH Stiftung Rübel Zürich 70:13-21.

---. 1986. Ibid., Vol. 2. The family of Lemnaceae - A monographic study, Vol. 1. Veröff. Geobot. Inst. ETH Stiftung Rübel Zürich 71: 1-566.

--- and R. Kandeler. 1987. Ibid. Vol. 4. The family of Lemnaceae - A monographic study, vol. 2. Veröff. Geobot. Inst. ETH Stiftung Rübel Zürich 95: 1-638.

Lelong, M.G. 1984. New combinations for *Panicum* subgenus *Panicum* and subgenus *Dichanthelium* (Poaceae) of the southeastern United States. Brittonia 36: 262-273.

Lester, D.T. 1968. Variation in cone morphology of balsam fir, *Abies balsamea*. Rhodora 70: 83-94.

Lewis, W.H. 2008. *Rosa carolina* (Rosaceae) subspecies and hybrids in eastern and midwestern United States, Canada, and Mexico. Novon 18: 192–198.

Li, J., A.L. Bogle, A.S. Klein, and M. J. Donoghue. 2000. Phylogeny and biogeography of *Hamamelis* (Hamamelidaceae). Harvard Pap. Bot. 5: 171-178.

Lidén, M., T. Fukuhara, J. Rylander and B. Oxelman. 1997. Phylogeny and classification of Fumariaceae, with emphasis on *Dicentra* s. 1., based on the plastidgene rpsl6 intron. P1. Syst. Evol. 206:411-420.

Liew, F.S. 1972. Numerical taxonomic studies on North American lady ferns and their allies. Taiwania 17: 190-221.

Liu, T. 1971. A Monograph of the Genus *Abies*. National Taiwan University, Taipei, Taiwan.

Lloyd, R.M. and F.A. Lang. 1964. The *Polypodium vulgare* complex in North America. Brit. Fern Gaz. 9: 168-177.

Lonard, R.I. and F.W. Gould. 1974. The North American species of *Vulpia* (Gramineae). Madroño 22: 217-230.

Loss, B.P. 1993. Morphological variation in *Lolium* (Poaceae) as a measure of species relationships. Plant Syst. Evol. 188: 87-99.

Löve, A. and D. Löve. 1975. Cytotaxonomical Atlas of the Arctic Flora. J. Cramer. Vaduz, Liechtenstein.

---, D. Löve, and R.E.G. Pichi Sermolli. 1977. Cytotaxonomical Atlas of the Pteridophyta. Vaduz.

Löve, D. and H. Harries. 1963. *Streptopus oreopolus* Fern., a hybrid taxon. Rhodora 65: 310-317.

Lowden, R.M. 1973. Revision of the genus *Pontederia* L. Rhodora 75: 426-487.

Manning, W.E. 1973. The northern limit of the distributions of hickories in New England. Rhodora 75: 34-51.

Marhold, K. 1994. Taxonomy of the genus *Cardamine* L. (Cruciferae) in the Carpathians and Pannonia. I. *Cardamine pratensis* Group. Folia Geobot. Phytotax. 29: 335–374.

Marsh, V.L. 1952. A taxonomic revision of the genus *Poa* of the United States and southern Canada. Amer. Midl. Naturalist 47: 202-250.

Marshall, M.P. 1977. A vascular flora of Bennington County, Vermont. M. A. Thesis. Univ. North Carolina, Chapel Hill, NC.

Matthews, K.G., N. Dunne, E. York and L. Struwe. 2009. A Phylogenetic Analysis and Taxonomic Revision of *Bartonia* (Gentianaceae: Gentianeae), Based on Molecular and Morphological Evidence. Syst. Bot. 34: 162-172.

McMahon, J.S., G.L. Jacobson, Jr. and F. Hyland. 1990. An Atlas of the Native Woody Plants of Maine: A Revision of the Hyland Maps. Maine Agricultural Experiment Station Bulletin 830. Univ. of Maine. Orono, Maine.

McNeill, J. 1979. *Diplachne* and *Leptochloa* (Poaceae) in North America. Brittonia 31: 399-404.

--- and K.M. Pryer. 1985. The status and typification of *Phegopteris* and *Gymnocarpium*. Taxon 34: 136-143.

Mehrhoff, L.J. 1995. Additions to the preliminary checklist of vascular flora of Connecticut. Rhodora 97: 9-38.

Merriam-Webster, Inc. 1984. Webster's New Geographical Dictionary. Merriam-Webster, Inc., Springfield, MA.

Mickel, J.T. 1979. The fern genus *Cheilanthes* in the continental United States. Phytologia 41: 431-437.

Mirov, N.T. 1967. The Genus *Pinus*. Ronald Press Company, New York.

Mitchell, R.S. 1988. The identity of *Thalictrum confine* (Ranunculaceae). Brittonia 40: 298-305.

Montgomery, J.D. 1982. *Dryopteris* in North America. Part II. The hybrids. Fiddlehead Forum 9(4): 23-30.

--- and E.M. Paulton. 1981. *Dryopteris* in North America. Fiddlehead Forum. 8(4): 25-31.

Moran, R.C. 1982. The *Asplenium trichomanes* complex in the United States and adjacent Canada. Amer. Fern J. 72: 5-11.

---. 1983. *Cystopteris tenuis* (Michx.) Desv.: A poorly understood species. Castanea 48: 218-223.

Morgenstern, E.K. and J.L. Farrar. 1964. Introgressive Hybridization in Red Spruce and Black Spruce. [Toronto.] [Univ. Toronto, Fac. Forest., Techn. Rep. 4.]

Müller-Doblies, U. and D. Müller-Doblies. 1977. Typhaceae. In: G. Hegi, Illus. Fl. Mitteleuropa, ed 3. Il. 1(4): 275-317. Berlin.

Murata, J. 1990. Present status of *Arisaema* systematics. Bot. Mag. 103: 371-382.

Naczi, R.F.C. 1992. Systematics of *Carex* section Griseae (Cyperaceae). Ph.D. thesis. Univ. of Michigan, Ann Arbor, MI.

Nesom, G.L. 2012a. Taxonomy of *Erythranthe* sect. *Simiola* (Phrymaceae) in the USA and Mexico. Phytoneuron 2012-41: 1–36.

---. 2012b. Taxonomy of *Erythranthe* sect. *Mimulosma* (Phrymaceae) in the USA and Mexico. Phytoneuron 2012-40: 1–123.

Ogden, E.B. 1948. The Ferns of Maine. Univ. of Maine Studies. Second Series, No. 62. Orono, Maine.

Øllgaard, B. 1987. A revised classification of the Lycopodiaceae s. lat. Opera Bot. 92: 153-178.

---. 1989. Index of the Lycopodiaceae. Biol. Skr. 34: 1-135.

Ørgaard, M. 1991. The genus *Cabomba* (Cabombaceae) - A taxonomic study. Nordic J. Bot. 11: 179-203.

Padgett, D.J. 2007. A monograph of *Nuphar* (Nymphaeaceae). Rhodora 109: 1-95.

Page, C.N. 1976. The taxonomy and phytogeography of bracken - A review. Bot. J. Linn. Soc. 73: 1-34.

Paler, M.H. and D.S. Barrington, 1995. The hybrid *Cystopteris fragilis* X *C. tenuis* (Dryopteridaceae) and the relationships between its tetraploid progenitors. Syst. Bot. 20: 528-545.

Palma-Otal, M., W.S. Moore, R.P. Adams, and G.R. Joswiak. 1983. Genetic and biogeographical analyses of natural hybridization between *Juniperus virginiana* L. and *J. horizontalis* Moench. Canad. J. Bot. 61: 2733-2746.

Palmer, P.G. 1975. A biosystematic study of the *Panicum amarum* - *P. amarulum* complex (Gramineae). Brittonia 27: 142-150.

Paris, C.A. 1991. *Adiantum viridimontanum*, a new maidenhair fern in eastern North America. Rhodora 93: 105-122.

--- and M.D. Windham. 1988. A biosystematic investigation of the *Adiantum pedatum* complex in eastern North America. Syst. Bot. 13: 240-255.

Pavlick, L.E. 1995. *Bromus* L. of North America. Royal British Columbia Museum, Victoria, Canada.

Pfeifer, H.W. 1966. Revision of North and Central American hexandrous species of *Aristolochia* (Aristolochiaceae). Ann. Missouri Bot. Garden 53: 115-196.

---. 1970. A taxonomic revision of the pentandrous species of *Aristolochia*. Univ. of Connecticut, Storrs, CT.

Phipps, J.B. and M. Muniyamma. 1980. A taxonomic revision of *Crataegus* (Rosaceae) in Ontario. Canad. J. of Bot. 58: 1621–1699.

Potter, D., T. Eriksson, R.C. Evans, S. Oh, J.E.E. Smedmark, D.R. Morgan, M. Kerr, K.R. Robertson, M. Arsenault, T.A. Dickinson, and C.S. Campbell. 2007. Phylogeny and classification of Rosaceae. Pl. Syst. Evol. 266: 5–43.

Pringle, J. 1971. Taxonomy and distribution of *Clematis*, sect. *Atragene* (Ranunculaceae), in North America. Brittonia 23: 361-393.

Pyrah, G.L. 1969. Taxonomic and distributional studies in *Leersia* (Gramineae). Iowa State J. Sci. 44: 215-270.

Randall, J.L. and K.W. Hilu. 1986. Biosystematic studies of North American *Trisetum spicatum* (Poaceae). Syst. Bot. 11: 567-578.

Rataj, K. 1975. Revizion of the Genus *Echinodorus* Rich. Ceskoslov. Akad. Ved. Prague.

Reveal, J.L. and F.R. Barrie. 1991. On the identity of *Hedysarum violaceum* Linnaeus (Fabaceae). Phytologia 71: 456–461.

Reznicek, A.A. 1990. Evolution in sedges (*Carex*, Cyperaceae). Canad. J. Bot. 68: 1409-1432.

--- and P.W. Ball. 1980. The taxonomy of *Carex* sect. *Stellulatae* in North America north of Mexico. Contr. Univ. Michigan Herb. 14: 153-203.

--- and R.S. W. Bobbette. 1976. The taxonomy of *Potamogeton* subsection *Hybridi* in North America. Rhodora 78: 650-673.

Robertson, K.R. 1976. The genera of Haemodoraceae in the United States. J. Arnold Arbor. 57: 205-216.

Robson, N.K.B. 2012. Studies in the genus *Hypericum* L. (Hypericaceae) 9. Addenda, corrigenda, keys, lists and general discussion. Phytotaxa 72: 1-111.

Rogers, G.K. 1983. The genera of Alismataceae in the southeastern United States. J. Arnold Arbor. 64: 383-420.

Rosatti, T.J. 1987. The genera of Pontederiaceae in the southeastern United States. J. Arnold Arbor. 68: 35-71.

Rothrock, P.E. 1991. The identity of *Carex albolutescens*, *Carex festucacea*, and *Carex longii* (Cyperaceae). Rhodora 93: 51-66.

--- and A.A. Reznicek. 2001. The taxonomy of the *Carex bicknellii* group (Cyperaceae) and new species for central North America. Novon 11: 205-228.

----, ---, and L.R. Ganion. 1997. Taxonomy of the *Carex straminea* complex (Cyperaceae). Canad. J. Bot. 75: 2177-2195.

Saarela, J.M. and B.A. Ford. 2001. Taxonomy of the *Carex backii* complex (section *Phyllostachyae*, Cyperaceae). Syst. Bot. 26: 704-721.

St. John, H. 1965. Monograph of the genus *Elodea*: Part 4 and summary: The species of eastern and central North America. Rhodora 67: 1-35.

Sales, F. 1993. Taxonomy and nomenclature of *Bromus* sect. *Genea*. Edinburgh J. Bot. 50: 1-31.

Sarvela, J. 1978. A synopsis of the fern genus *Gymnocarpium*. Ann. Bot. Fenn. 15: 101-106.

Scamman, E. 1947. Ferns and Fern Allies of New Hampshire. The New Hampshire Academy of Science, Bulletin No. 2. Durham, NH.

Schuyler, A.E. 1967. A taxonomic revision of North America leafy species of *Scirpus*. Proc. Acad. Nat. Sci. Philadelphia 119: 295-323.

Silliman, F.E. 1957. *Chamaelirium luteum* (L.) Gray: A biological study. Ph.D. Dissertation. Univ. North Carolina, Chapel Hill, NC.

Smith, A.R. et al. 2006. A classification of extant ferns. Taxon 55: 705-731.

Smith, P.M. 1970. Taxonomy and nomenclature of the Brome grasses (*Bromus* L. s. l.). Notes Roy. Bot. Gard. Edinburgh 30: 361-375.

--- and F. Sales. 1993. *Bromus* L. sect. *Bromus*: Taxonomy and relationship of some species with small spikelets. Edinburgh J. Bot. 50: 149-171.

Smith, S.G. 1987. Typha: Its taxonomy and the ecological significance of hybrids. Arch. Hydrobiol., Beih. 27: 129-138.

Sorrie, B.A. 1987. Notes on the rare flora of Massachusetts. Rhodora 89: 113-196.

---. 2005. Alien vascular plants in Massachusetts. Rhodora 107: 284-329.

Stage, C.A. 1970. Anatomy and taxonomy in *Juncus* subgenus *Genuini*. Bot. J. Linnaean Soc. 63: 75-84.

Standley, L.A. 1983. A clarification of the status of *Carex crinita* and *C. gynandra* (Cyperaceae). Rhodora 85: 229-241.

---. 1987a. Anatomical and chromosomal studies of *Carex* section *Phacocystis* in eastern North America. Bot. Gaz. 148: 507-518.

---. 1987b. Taxonomy of the *Carex lenticularis* complex in eastern North America. Canad. J. Bot. 65: 673-686.

---. 1989. Taxonomic revision of the *Carex stricta* complex in eastern North America. Canad. J. Bot. 67: 1-14.

Steele, F.L. and A.R. Hodgdon. 1970. Hybrids in *Rubus* Subgenus *Eubatus* in New England. Rhodora 72: 240–250.

Stern, F.C. 1956. Snowdrops and Snowflakes - A Study of the Genera *Galanthus* and *Leucojum*. Royal Horticultural Society, London.

Streveler, B.E. 1966. A taxonomic study of the genus *Convallaria* (Liliaceae). M.S. thesis, Univ. of Wisconsin, Madison, WI.

Strong, M.T. 1994. Taxonomy of *Scirpus*, *Trichophorum*, and *Schoenoplectus* (Cyperaceae) in Virginia. Bartonia 58: 29-68.

Takamiya, M. and S. Kurita. 1983. Cytotaxonomic studies on Japanese species of the genus *Lycopodium* sensu lato. Acta Phytotax. Geobot. 34: 66-79.

Taylor, W.C. and R.J. Hickey. 1992. Habitat, evolution, and speciation of *Isoëtes*. Ann. Missouri Bot. Gard. 79: 613-622.

--- and N.T. Luebke. 1988. *Isoëtes* X *hickeyi*: a naturally occurring hybrid between *I. echinospora* and *I. macrospora*. Amer. Fern J. 78: 6-13.

Terrell, E.E. 1968. A taxonomic revision of the genus *Lolium*. Agric. Res. Serv. Tech. Bull. U.S.D.A. 1392.

Thieret, J.W. 1988. The Juncaginaceae in the southeastern United States. J. Arnold Arbor. 69: 1-23.

--- and J.O. Luken. 1996. The Typhaceae in the southeastern United States. Harvard Pap. Bot. 8: 27-56.

Thorne, F. and L. Thorne. 1989. Henry Potter's Field Guide to the Hybrid Ferns of the Northeast. Vermont Institute of Natural Science, Woodstock, VT.

Treiber, M. 1980. Biosystematics of the *Arisaema triphyllum* complex. Ph.D. Dissertation. Univ. North Carolina, Chapel Hill, NC.

Tryon, A.F. 1957. A revision of the fern genus *Pellaea* section *Pellaea*. Ann. Missouri Bot. Gard. 44: 125-193.

---. 1968. Comparisons of sexual and apogamous races in the fern genus *Pellaea*. Rhodora 70: 1-24.

---. 1978. New England ferns. Rhodora 80: 558-569.

---, R.M. Tryon, and F. Badrè. 1980. Classification, spores, and nomenclature of the marsh fern. Rhodora 82: 461-474.

Tryon, R.M. 1955. *Selaginella rupestris* and its allies. Ann. Missouri Bot. Gard. 42: 1-99, plates 1-6.

---. 1960. A review of the genus *Dennstaedtia* in America. Contr. Gray Herb. 187: 23-52.

Tucker, G.C. 1987. The genera of Cyperaceae in the southeastern United States. J. Arnold Arbor. 68: 361-445.

---. 1988. The genera of Bambusoideae (Gramineae) in the southeastern United States. J. Arnold Arbor. 69: 239-273.

---. 1989. The genera of Commelinaceae in the southeastern United States. J. Arnold Arbor. 70: 97-130.

---. 1990. The genera of Arundinoideae (Gramineae) in the southeastern United States. J. Arnold Arbor. 71: 145-177.

---. 1996. The genera of Poöideae (Gramineae) in the southeastern United States. Harvard Pap. Bot. 9: 11-90.

Tutin, T.G., ed. 1980. Gramineae (Poaceae), pp. 118-154. In: T. G. Tutin, V.H. Heywood, N.A. Burges, D.M. Moore, D.H. Valentine, S.M. Walters and D.A. Webb, eds., Flora Europaea. Vol. 5 Alismataceae to Orchidaceae. Cambridge Univ. Press, Cambridge, UK.

Utech, F.H. 1973. A biosystematic study of the genus *Clintonia* Raf. (Liliaceae: Polygonatae). Ph.D. Thesis, Washington Univ., St. Louis, MO.

Uttal, L.J. 1987. The Genus *Vaccinium* L. (Ericaceae) in Virginia. Castanea 52: 231-255.

Wagner, W.H., Jr. 1971. Evolution of *Dryopteris* in relation to the Appalachians. In: Holt, P.C., ed. 1971. The Distributional History of the Biota of the Southern Appalachians. Part 2. Flora. Blacksburg, Virginia [Virginia Polytechnic Inst. and State Univ., Res. Div. Monograph 2.] Pp. 147-192.

---. and J.M. Beitel. 1992. Generic classification of modern North American Lycopodiaceae. Ann. Missouri Bot. Gard. 79: 676-686.

--- and F.S. Wagner. 1976. *Asplenium* X *clermontae* Sim from Clifton Gorge, Greene County, Ohio - a second North American record. Ohio J. Sci. 76:99-102.

Wagnon, H.K. 1952. A revision of the genus *Bromus* section *Bromopsis* of North America. Brittonia 7: 415-480.

Wang, W., A. Lu, Y. Ren, M.E. Endress and Z. Chen. 2009. Phylogeny and classification of Ranunculales: Evidence from four molecular loci and morphological data. Perspect. Pl. Ecol. Evol. Syst. 11: 81-110.

Ward, D.B. 1974. Contributions to the Flora of Florida - 6, *Vaccinium* (Ericaceae). Castanea 39: 191-205.

Waterway, M.J. 1988. Systematic studies in *Carex* Sect. Hymenochlaenae (Cyperaceae). Ph.D. dissertation. Cornell Univ., Ithaca, NY.

Watson, L. and M.J. Dallwitz. 1992. The Grass Genera of the World. C.A.B. International, Wallingford, UK.

Webster, R.D. 1993. Nomenclature of *Setaria* (Poaceae: Paniceae). Sida 15: 447-489.

Weimarck, G. 1971. Variation and taxonomy of *Hierochloë* in the northern hemisphere. Bot. Not. 124: 129-175.

Wilbur, R.L. 1963. A revision of the North American genus *Uvularia* (Liliaceae). Rhodora 65: 158-188.

Wooten, J.W. 1973. Taxonomy of seven species of *Sagittaria* from eastern North America. Brittonia 25: 64-74.

Zika, P.F. 1990. Range expansions of some grasses in Vermont. Rhodora 92: 80-89.

--- and J. Jenkins. 1995. Contributions to the flora of Vermont. Rhodora 97: 291-327.

Zomlefer, W.B. 1996. The Trilliaceae in the southeastern United States. Harvard Pap. Bot. 9: 91-120.

---. 1997a. The genera of Melanthiaceae in the southeastern United States. Harvard Pap. Bot. 2: 133-177.

---. 1997b. The genera of Tofieldiaceae in the southeastern United States. Harvard Pap. Bot. 2: 179-194.

Zuloaga, F.O. 1987. Systematics of New World species of *Panicum* (Poaceae: Paniceae). pp. 287-306 In: T.R. Soderstrom, K.W. Hilu, C.S. Campbell, and M.E. Barkworth, eds. Grass Systematics and Evolution. Smithsonian Institution Press, Washington, D.C.

REFERENCES

(some cited books are also included in the Bibliography)

Bertin, R.I. and T.J. Rawinski. 2012. Vascular Flora of Worcester County, Massachusetts. Special Publication of the New England Botanical Club, Cambridge, MA.

Bertin, R.I., Hickler, M.G., Searcy, K.B., Motzkin, G. and P.P. Grima. 2020. Vascular Flora of Franklin County, Massachusetts. Special Publication of the New England Botanical Club, Cambridge, MA.

Campbell, C.S., et al. 1995. Checklist of the Vascular Plants of Maine, Third Revision. Josselyn Botanical Society of Maine, Bulletin 13, Maine Agricultural and Forest Experiment Station, Bulletin 844, University of Maine, Orono, ME.

Crow, G.E. and C.B. Hellquist. 2006. Aquatic and Wetland Plants of Northeastern North America, 2 vols. Univ. of Wisconsin Press, Madison, WI.

Cullina, M.D., Connolly, B., Sorrie, B. and P. Somers. 2011. The Vascular Plants of Massachusetts: A County Checklist, First Revision. Massachusetts Natural Heritage & Endangered Species Program, Westborough, MA.

Dowhan, J.J. 1979. Preliminary Checklist of the Vascular Flora of Connecticut, Report of Investigations No. 8. State Geological and Natural History Survey of Connecticut, Natural Resources Center, Dept. of Environmental Protection, Hartford, CT.

Fernald, M.L. 1950. Gray's Manual of Botany (ed. 8). American Book Company, New York, NY.

Flora of North America Editorial Committee, eds. 1993- . Flora of North America North of Mexico. Volumes 1- . Oxford Univ. Press, New York, NY and Oxford, U.K. (Published Volumes)

Gilman, A.V. 2015. New Flora of Vermont, Memoirs of the New York Botanical Garden, Volume 110. The New York Botanical Garden Press, Bronx, NY.

Gleason, H.A. and A. Cronquist. 1991. Manual of Vascular Plants of Northeastern United States and Adjacent Canada 2nd ed. The New York Botanical Garden, Bronx, NY.

Gould, L.L., R.W. Enser, R.E. Champlin and I.H. Stuckey. 1998. Vascular Flora of Rhode Island, A List of Native and Naturalized Plants, Volume 1 of The Biota of Rhode Island. The Rhode Island Natural History Survey, Kingston, RI.

Haines, A. and T. Vining. 1998. Flora of Maine. V.F. Thomas Co., Bar Harbor, ME.

Haines, A. 2011. Flora Novae Angliae. Yale University Press, New Haven, Connecticut and London, U.K.

Harris, S.K. 1975. A Flora of Essex County, Massachusetts. Peabody Museum. Salem, MA. Luer, C.A. 1975. The Native Orchids of the United States and Canada excluding Florida. The New York Botanical Garden, Bronx, NY.

Magee, D.W. and H.E. Ahles. 2007. Flora of the Northeast, a Manual of the Vascular Flora of New England and Adjacent New York. 2nd ed. Univ. of Massachusetts Press, Amherst, MA.

Pease, A.S. 1964. A Flora of Northern New Hampshire. New England Botanical Club, Inc. Cambridge, MA. Rehder, A. 1940. Manual of Cultivated Trees and Shrubs (ed. 2). Macmillan Publishing Co., Inc., New York. (pdf file)

Seymour, F.C. 1982. The Flora of New England, 2nd ed. Phytologia Mem. V. Plainfield, NJ. (pdf file)

Standley, L.A. 2011. Field Guide to Carex of New England. The New England Botanical Cub, Inc., Cambridge, MA. (pdf file)

Vermont Botanical and Bird Club. 1973. Checklist of Vermont Plants. Vermont Botanical and Bird Club, Eden, VT.

Tryon, A.F. and R.C. Moran. 1997. The Ferns and Allied Plants of New England. Massachusetts Audubon Society, Lincoln, MA.

USEFUL LINKS

Angiosperm Phylogeny Website (http://www.mobot.org/MOBOT/research/APweb/) - excellent reference for systematics of plant families.

Atlas of Flora of New England Herbarium Records (https://archive.org/details/atlas-of-flora-of-new-england-herbarium-records) – an Excel spreadsheet of the herbarium records that are displayed in the distribution maps of this Atlas. The file must be downloaded.

Biodiversity Heritage Library [BHL] (https://www.biodiversitylibrary.org/) – excellent resource to retrieve or view classic out-of-copyright biological books, journals and other publications.

BONAP [The Biota of North America Program, North American Vascular Flora] (http://www.bonap.org/) - excellent source of distribution maps for taxa extending beyond New England, density gradient maps for North America, and various additional information.

Brown University Digital Repository for Herbarium (https://repository.library.brown.edu/studio/collections/bdr:nz9qn2kb/) - very good source for images of herbarium specimens at this institution.

Catalog of New World Grasses (http://legacy.tropicos.org/NameSearch.aspx?projectid=10) - a site useful for nomenclature of Poaceae which can be browsed by genera. A multi-volume printed version exists.

Chromosome Counts Database (http://ccdb.tau.ac.il/home/) - excellent reference for chromosome counts.

CNH Portal [Consortium of Northeastern Herbaria] (https://portal.neherbaria.org/portal/) - extensive source for images of herbarium specimens in herbaria of northeastern North America with particularly good representation of specimens from New England. However, errors in geographic location and species identification in the database are not uncommon, and, unfortunately, information and images of a large number of locally rare or occasional native species are suppressed.

County Location of New England Place Names (https://archive.org/details/county-location-new-england-place-names) – our reference that lists towns, villages and some other place names in New England giving their county location, including the sector for our divided large counties in Maine and New Hampshire. A full-page map showing the New England county boundaries including the divided larger ones is included.

Flora of North America (http://floranorthamerica.org/) - online access to the treatments in the published volumes of the Flora of North America project. To reach a given species treatment it is easiest to use the search box at top to search the scientific name. Excellent reference for keys, nomenclature, plant description, habitat, distributions by state and chromosome numbers.

Go Botany (https://gobotany.nativeplanttrust.org/) - keys to New England vascular plants with New England county map distribution, habitat, plant images, character notes, conservation status.

Harvard University Herbaria Index to Botanical Specimens (https://kiki.huh.harvard.edu/databases/specimen_index.html) - access to database of a large number of the herbarium specimens at the Harvard University Herbaria, with a particularly large proportion of the specimens of the New England Botanical Club (NEBC) and the New England specimens owned by Harvard University (GH, A, ECON, AMES), many with images of the specimen.

International Plant Names Index (https://www.ipni.org/) - excellent reference for authorship and spelling of scientific plant names.

New York Botanical Garden Virtual Herbarium (https://sweetgum.nybg.org/science/vh/) - good source for data for many but not all specimens at the Steere Herbarium of this institution, some with images.

Tropicos (https://tropicos.org/) - good reference for authorship of scientific plant names, and some chromosome information.

U.S. National Plant Germplasm System [GRIN] (https://npgsweb.ars-grin.gov/gringlobal/taxon/taxonomysearch?language=en) - good reference for world distribution of many plants, common names, and authorship of plant names.

University of Connecticut Herbarium Specimen Database (https://search.biodiversity.uconn.edu/AdvancedSearch.html) - excellent source of high resolution images of herbarium specimens at this institution. Unfortunately images and information for locally rare or occasional native species are suppressed.

Yale Peabody Museum of Natural History Plant Specimen Database (https://peabody.yale.edu/explore/collections/botany) - very good source for images of herbarium specimens at Yale University including specimens of the Connecticut Botanical Society.